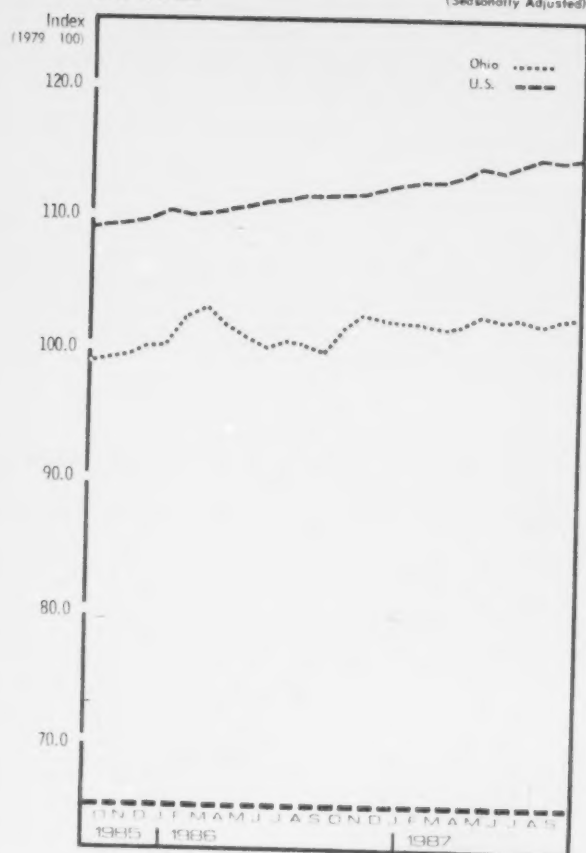


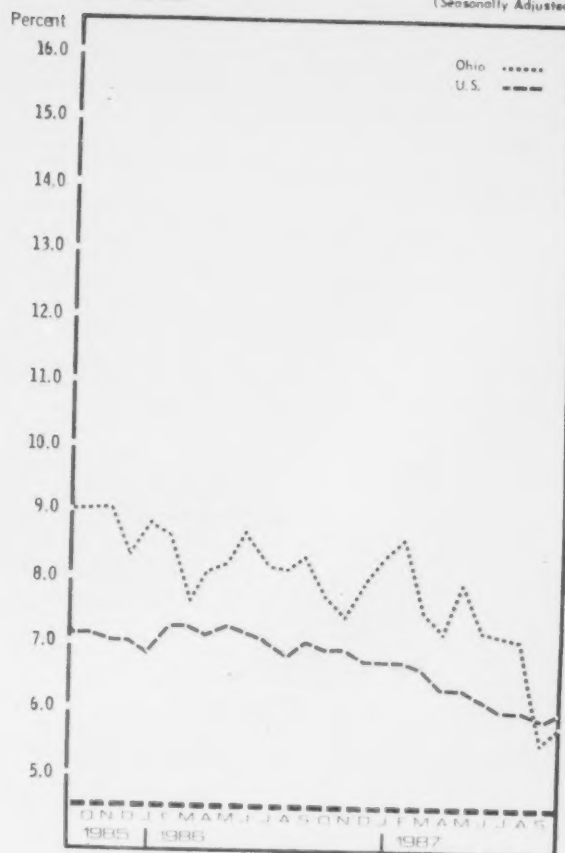
INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.

(Seasonally Adjusted)

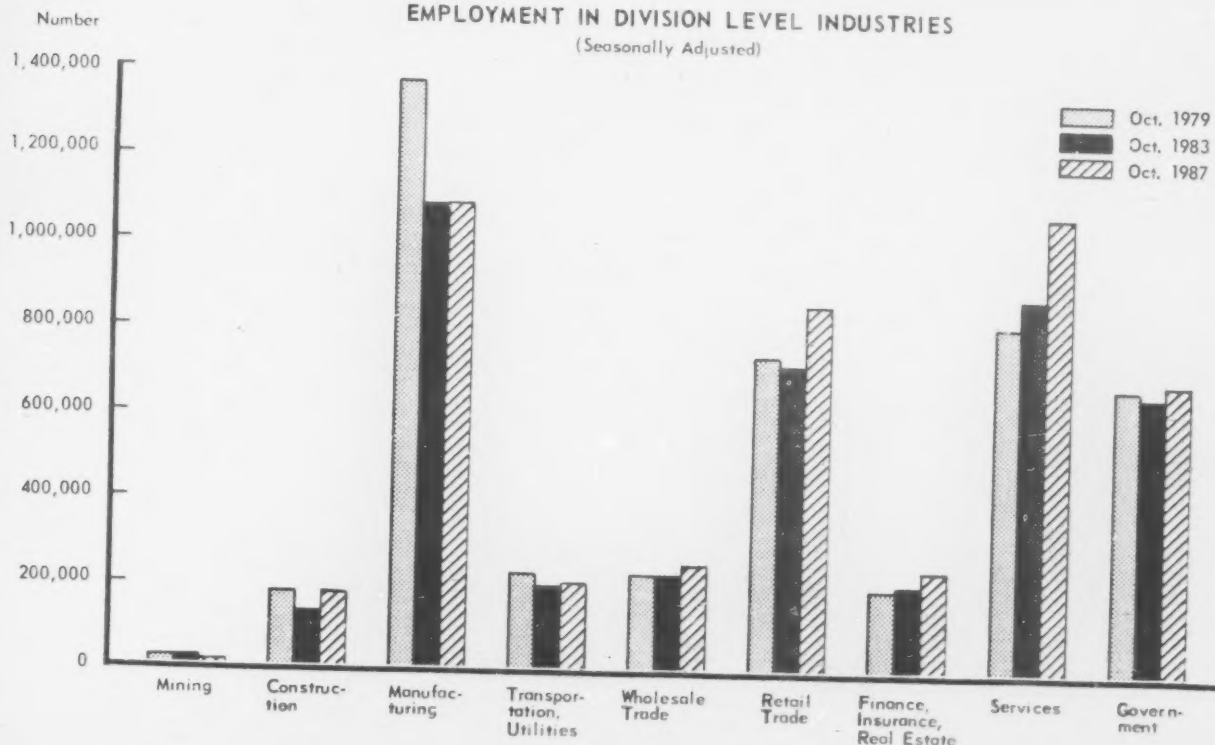


UNEMPLOYMENT RATES
OHIO AND U.S.

(Seasonally Adjusted)



EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)



Nonseasonally Adjusted Estimates^a

Ohio Civilian Labor Force Estimates (in thousands)

Civilian Labor Force			Unemployment Rate	
Total	Employed	Unemployed	Ohio	U.S.
4,751	4,380	370	7.8	7.7
4,833	4,520	312	6.5	7.1
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,139	4,684	456	8.9	7.2
5,234	4,809	426	8.1	7.0
5,263	4,855	408	7.8	6.6
5,282	4,894	388	7.3	6.6
5,259	4,841	418	7.9	6.3
5,196	4,744	452	8.7	7.3
5,205	4,732	473	9.1	7.2
5,154	4,749	405	7.9	6.9
5,205	4,837	367	7.1	6.2
5,264	4,892	372	7.1	6.1
5,293	4,909	384	7.3	6.3
5,325	4,967	358	6.7	6.1
5,372	4,908	364	6.9	5.8
5,371	4,885	287	5.5	5.7
5,221	4,920	301	5.8	5.7

Ohio Nonagricultural Wage & Salary Employment (in thousands)

Total Nonagricultural			
	Manufacturing		
	Durable	Non-durable	
1976	4,094.6	1,295.3	910.6
1977	4,230.1	1,344.1	945.2
1978	4,394.9	1,377.2	974.5
1979	4,484.8	1,382.3	980.5
1980	4,367.4	1,264.3	882.6
1981	4,317.7	1,232.6	860.4
1982	4,124.3	1,099.9	752.4
1983	4,092.5	1,066.0	723.6
1984	4,260.2	1,127.0	773.4
1985	4,372.9	1,124.3	768.7
1986	4,475.2	1,109.3	753.2
1986			
October	4,546.2	1,098.4	741.5
November	4,563.9	1,103.8	749.1
December	4,569.4	1,106.3	749.6
1987			
January	4,466.2	1,093.7	741.2
February	4,467.2	1,096.0	742.4
March	4,492.3	1,092.1	738.4
April	4,556.9	1,094.4	740.1
May	4,600.3	1,091.0	736.4
June	4,614.8	1,091.8	736.4
July	4,576.6	1,078.8	723.4
August	4,595.4	1,092.0	731.6
September	4,644.3	1,102.8	740.1
October	4,658.7	1,094.6	734.5

Ohio Nonmanufacturing Wage & Salary Employment (in thousands)

Total Nonmanu- facturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, & Real Estate	Services	Government
2,799.3	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
2,886.0	29.1	162.8	219.1	214.6	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	225.0	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	711.0	207.8	873.3	656.1
3,113.1	27.8	144.8	203.9	236.7	748.0	211.5	905.2	653.2
3,248.6	26.1	154.0	202.7	243.7	787.9	219.3	949.5	665.2
3,366.0	22.7	160.8	205.5	246.0	820.5	231.8	998.8	679.8
3,447.7	22.0	180.3	211.4	248.2	839.5	235.4	1,019.1	691.8
3,458.0	22.1	174.2	211.7	248.9	850.9	236.0	1,018.7	696.1
3,463.1	21.8	163.1	211.5	249.1	865.1	237.1	1,017.4	698.0
3,370.4	21.2	144.7	205.1	246.7	821.3	236.6	1,006.1	688.8
3,371.2	20.7	139.6	205.8	246.1	810.4	237.4	1,014.1	697.2
3,400.3	20.5	145.6	206.6	246.9	817.0	238.3	1,023.5	701.9
3,462.5	20.3	160.7	209.4	248.5	835.5	240.4	1,047.5	700.1
3,509.3	20.4	173.8	210.8	249.8	848.4	242.0	1,059.5	704.6
3,523.0	20.4	182.5	211.9	251.4	854.6	244.3	1,069.9	688.0
3,497.9	20.6	190.8	212.1	251.6	855.9	246.3	1,072.8	647.8
3,503.4	20.6	194.8	212.5	252.0	861.2	246.8	1,073.2	642.2
3,541.4	20.9	194.4	212.8	252.2	864.2	245.7	1,078.2	673.2
3,564.1	20.7	196.0	212.5	253.4	865.2	245.0	1,074.1	697.2

^aEstimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment

(in thousands)

Production Workers

In Manufacturing

Manufacturing				Production Workers	Aggregate Weekly Payroll	Aggregate Weekly Hours
	Durable Goods	Nondurable Goods		(in thous.)	(in millions)	(in millions)
1,295.3	910.6	384.6	1976	926.1	233.9	38.2
1,344.1	945.2	398.9	1977	958.0	271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.3	753.2	356.1	1986	758.0	368.9	31.9
				1986		
1,098.4	741.5	356.9	October	746.3	360.9	31.3
1,105.8	749.1	356.7	November	755.2	375.4	32.2
1,106.3	749.6	356.7	December	755.4	383.8	32.6
				1987		
1,095.7	741.2	354.6	January	746.3	375.1	31.9
1,096.0	742.4	353.6	February	747.3	373.0	31.7
1,092.1	738.4	353.6	March	744.9	371.4	31.7
1,094.4	740.1	354.3	April	748.2	369.0	31.5
1,091.0	736.4	354.5	May	745.2	370.9	31.7
1,091.8	736.4	355.4	June	745.5	371.6	31.8
1,078.8	723.4	355.3	July	731.6	355.0	30.7
1,092.0	731.6	360.4	August	745.4	367.0	31.5
1,102.8	740.1	362.8	September	756.7	378.4	32.2
1,094.6	734.5	360.1	October	749.7	379.2	32.2

Production Workers Average Weekly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
\$252.54	\$258.75	\$235.00	1976
283.08	292.03	258.34	1977
306.91	316.83	279.30	1978
325.36	335.30	297.78	1979
347.94	358.57	319.99	1980
389.78	401.64	358.16	1981
403.81	414.80	378.95	1982
437.18	452.35	402.52	1983
463.61	482.38	417.83	1984
477.96	499.56	425.80	1985
486.68	507.95	439.71	1986
483.53	502.25	444.52	1986 October
497.14	517.80	449.40	November
508.15	531.14	454.92	December
502.58	524.96	449.53	1987 January
499.05	520.88	446.71	February
498.53	519.95	448.86	March
492.99	514.25	443.72	April
497.68	517.45	450.78	May
498.42	517.37	453.95	June
485.20	501.76	450.02	July
492.37	510.00	453.36	August
500.12	516.67	461.92	September
505.79	523.67	462.34	October

Production Workers Average Weekly Hours

Manufacturing			
	Durable Goods	Nondurable Goods	
41.2	41.4	41.3	1976
42.0	42.2	41.4	1977
42.1	42.3	41.5	1978
41.5	41.6	41.1	1979
40.6	40.7	40.2	1980
40.9	40.9	40.7	1981
40.1	40.0	40.4	1982
41.4	41.5	41.2	1983
42.3	42.5	41.7	1984
42.0	42.3	41.3	1985
42.1	42.4	41.6	1986
41.9	42.1	41.7	1986 October
42.6	42.9	42.0	November
43.1	43.5	42.2	December
42.7	43.1	41.7	1987 January
42.4	42.8	41.4	February
42.5	42.9	41.6	March
42.1	42.5	41.2	April
42.5	42.8	41.7	May
42.6	42.9	41.8	June
41.9	42.2	41.4	July
42.3	42.5	41.9	August
42.6	42.7	42.3	September
42.9	43.1	42.3	October

Production Workers Average Hourly Earnings

Manufacturing			
	Durable Goods	Nondurable Goods	
\$6.10	\$6.25	\$5.69	1976
6.74	6.92	6.24	1977
7.29	7.49	6.73	1978
7.84	8.06	7.25	1979
8.57	8.81	7.96	1980
9.53	9.82	8.80	1981
10.07	10.37	9.38	1982
10.56	10.90	9.77	1983
10.96	11.35	10.02	1984
11.38	11.81	10.31	1985
11.56	11.98	10.57	1986
11.54	11.93	10.66	1986 October
11.67	12.07	10.70	November
11.79	12.21	10.78	December
11.77	12.18	10.78	1987 January
11.77	12.17	10.79	February
11.73	12.12	10.79	March
11.71	12.10	10.77	April
11.71	12.09	10.81	May
11.70	12.06	10.86	June
11.58	11.89	10.87	July
11.64	12.00	10.82	August
11.74	12.10	10.92	September
11.79	12.15	10.93	October

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio^a

Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products
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Machinery Except Electrical	Electric & Electronic Equipment	Transportation Equipment
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Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
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Employment

(in thousands)

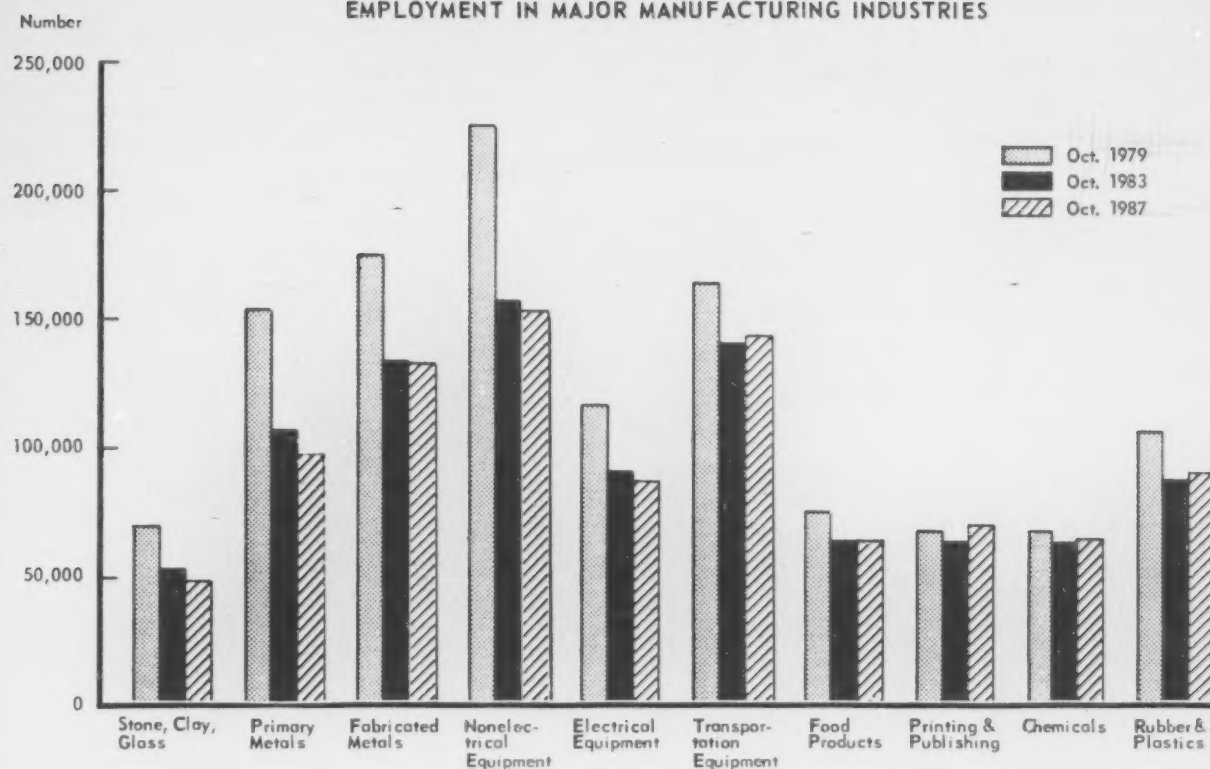
66.3	154.6	157.9	1976	205.9	115.5	143.0	1976	73.8	64.5	98.2
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.4	95.4	136.8	1986	158.7	89.8	153.5	1986	62.6	68.6	91.5
			1986				1986			
48.6	90.9	136.0	October	152.7	90.1	152.5	October	63.1	69.4	90.6
49.2	93.6	136.3	November	156.0	90.2	153.8	November	62.4	69.4	90.9
49.0	94.1	136.0	December	156.1	90.2	154.4	December	62.7	69.1	91.3
			1987				1987			
47.8	93.8	134.3	January	155.0	90.6	151.7	January	62.0	68.8	91.3
47.9	95.5	133.5	February	154.1	89.8	153.6	February	61.5	69.1	90.8
47.7	96.7	133.3	March	153.8	89.0	148.9	March	61.5	69.1	90.4
48.0	96.7	132.5	April	153.5	88.0	151.6	April	62.2	69.3	89.8
48.2	95.5	131.8	May	153.2	87.3	150.3	May	62.7	69.3	88.9
48.4	95.9	133.2	June	153.6	87.5	147.1	June	62.7	69.3	88.8
47.8	94.4	130.4	July	151.7	87.6	140.7	July	63.2	69.8	88.0
48.3	96.2	131.6	August	152.2	87.0	144.2	August	66.9	70.1	88.8
48.3	98.2	133.3	September	153.5	88.1	146.1	September	67.5	70.0	89.8
48.0	98.1	132.9	October	152.6	86.9	143.3	October	64.2	70.3	90.4

Average Weekly Earnings of Production Workers

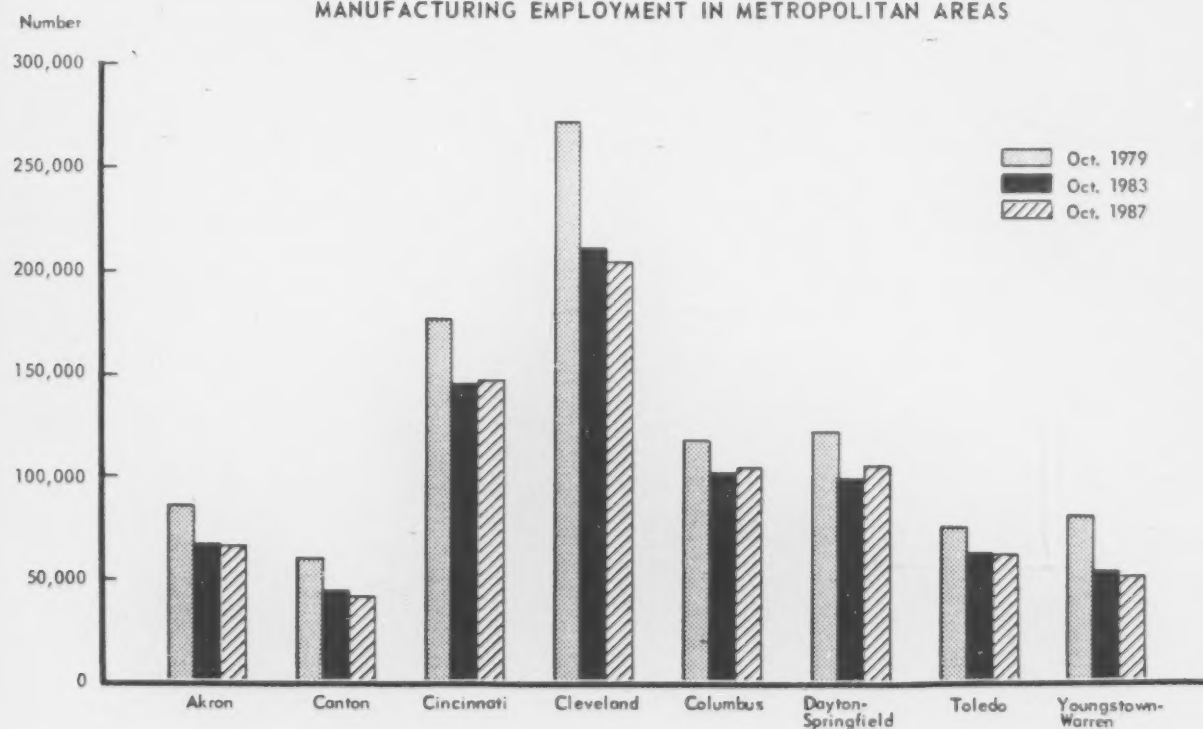
\$232.40	\$294.58	\$256.68	1976	\$253.31	\$221.54	\$302.87	1976	\$242.92	\$252.20	\$237.30
253.95	329.54	290.44	1977	279.18	248.44	359.20	1977	258.54	271.96	263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
			1986				1986			
447.44	563.50	488.36	October	482.58	456.77	610.76	October	426.72	418.95	443.23
442.08	583.73	503.01	November	492.33	471.33	646.46	November	423.85	429.37	447.38
441.00	596.23	515.70	December	510.82	489.89	656.48	December	436.77	429.46	444.19
			1987				1987			
441.31	593.61	515.91	January	498.53	473.61	647.91	January	438.46	416.96	443.59
440.67	590.46	510.27	February	499.80	457.47	646.46	February	435.77	420.53	433.82
449.35	587.80	506.75	March	506.32	463.29	640.46	March	436.60	415.56	438.35
447.68	595.35	491.82	April	495.33	461.61	630.08	April	430.56	414.02	431.38
457.52	594.49	495.33	May	497.14	463.14	634.04	May	440.11	418.88	435.27
453.46	599.86	501.50	June	505.36	457.32	628.65	June	445.79	422.28	441.58
446.42	597.64	473.20	July	494.89	449.21	604.07	July	434.92	420.81	436.60
440.96	603.90	484.26	August	489.41	458.43	628.00	August	435.11	432.06	443.65
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.12	608.34	498.62	October	510.56	467.87	650.90	October	436.18	439.24	459.02

^aEstimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Ohio

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	October 1987 ^b	September 1987 ^c	October 1986 ^c	From Last Month	From Last Year
TOTAL	4658.7	4644.3	4546.2	14.5	112.6
MANUFACTURING	1094.6	1102.8	1098.4	- 8.3	- 3.8
Durable Goods ^e	734.5	740.1	741.5	- 5.6	- 7.1
Lumber and wood products	20.9	20.6	19.0	.3	1.9
Furniture and fixtures	14.8	15.1	14.3	-.2	.5
Stone, clay, and glass products	48.0	48.3	48.6	-.3	-.6
Glass and glassware, pressed or blown	10.1	10.2	9.6 ^j	-.1	.4
Primary metal industries	98.1	98.2	90.9	-.1	7.1
Blast furnace and basic steel products	45.2	45.1	40.0	.0	5.2
Iron and steel foundries	19.7	19.7	19.3	.0	.4
Nonferrous rolling and drawing	17.9	18.1	17.8	-.2	.1
Fabricated metal products	132.9	133.3	136.0	-.4	- 3.1
Cutlery, hand tools, and hardware	10.1	10.0	10.1	.1	.0
Fabricated structural metal products ..	28.4	28.8	29.4	-.4	- 1.0
Metal forgings and stampings	41.4	41.4	43.0	-.1	- 1.6
Machinery, except electrical	152.6	153.5	152.7	- 1.0	-.1
Construction and related machinery ...	11.8	11.9	12.5	.0	-.7
Metalworking machinery	38.3	38.9	40.9	-.6	- 2.6
Special industry machinery	16.5	16.8	16.9	-.3	-.4
General industrial machinery	26.4	26.4	23.7	.0	2.8
Office and computing machines	13.7	13.7	13.6	-.1	.1
Refrigeration and service machinery ..	16.9	17.1	16.4	-.2	.5
Electric and electronic equipment	86.9	88.1	90.1	- 1.2	- 3.2
Electrical industrial apparatus	16.7	16.9	16.9	-.2	-.2
Household appliances	16.7	17.0	17.3	-.4	-.6
Electric lighting and wiring equipment ..	17.2	17.2	17.8	.0	-.6
Communication equipment	9.9	10.0	10.5	-.1	-.6
Transportation equipment	143.3	146.1	152.5	- 2.7	- 9.2
Motor vehicles and equipment	92.6	94.2	96.7	- 1.6	- 4.1
Aircraft and parts	41.2	42.3	46.8	- 1.1	- 5.5
Instruments and related products	22.4	22.3	23.0	.1	-.5
Measuring and controlling devices	12.3	12.2	12.2	.1	.1
Nondurable Goods^f	360.1	362.8	356.9	- 2.6	3.2
Food and kindred products	64.2	67.5	63.1	- 3.3	1.1
Meat products	10.0	10.1	9.4	-.2	.6
Dairy products	10.4	10.6	10.1	-.1	.3
Preserved fruits and vegetables	11.3	13.8	11.1	- 2.5	.2
Bakery products	9.0	9.2	8.7	-.2	.3
Beverages	9.9	10.0	10.2	-.2	-.4
Apparel and other textile products	16.4	16.2	16.7	.2	-.3
Paper and allied products	37.8	38.0	37.2	-.1	.6
Misc. converted paper products	12.1	12.1	11.9	.0	.2
Paperboard containers and boxes	13.4	13.5	12.6	-.1	.8
Printing and publishing	70.3	70.0	69.4	.3	1.0
Newspapers	19.3	19.3	19.5	.0	-.2
Commercial printing	26.7	26.7	26.6	-.1	.1
Chemicals and allied products	64.3	64.6	63.1	-.3	1.2
Industrial inorganic chemicals	10.2	10.3	10.0	-.1	.2
Rubber and misc. plastics products	90.4	89.8	90.6	.7	-.2
Tires and inner tubes	16.3	16.5	17.7	-.2	- 1.4
Miscellaneous plastics products	54.4	53.5	52.9	.8	1.4

See footnotes on page 13.

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	October 1987 ^b	September 1987 ^c	October 1986 ^c	From Last Month	From Last Year
NONMANUFACTURING	3564.1	3541.4	3447.7	22.7	116.4
MINING	20.7	20.9	22.0	-.2	- 1.3
Bituminous coal and lignite mining	9.3	9.3	9.8	.0	-.6
Oil and gas extraction	6.4	6.5	7.3	-.1	-.9
CONSTRUCTION	196.0	194.4	180.3	1.7	15.7
General building contractors	49.2	49.0	45.7	.2	3.6
Heavy construction contractors	26.5	26.2	25.3	.3	1.2
Highway and street construction	13.2	13.3	12.3	-.1	.9
Special trade contractors	120.3	119.1	109.3	1.2	11.0
TRANSPORTATION AND PUBLIC UTILITIES	212.5	212.8	211.4	-.2	1.1
Railroad transportation	14.5	14.7	16.1	-.2	- 1.6
Transportation, except railroads	104.2	103.9	101.1	.3	3.1
Trucking and warehousing	71.9	71.9	70.7	.0	1.2
Communication, electric, gas services ..	93.8	94.2	94.3	-.3	-.5
Communication	52.8	52.9	52.4	-.1	.4
Electric, gas, and sanitary services ..	41.0	41.2	41.8	-.2	-.9
WHOLESALE TRADE	253.4	252.2	248.2	1.2	5.2
Wholesale trade-durable goods	160.1	159.1	156.9	1.0	3.2
Motor vehicles & automotive equipment ..	22.6	22.5	22.3	.2	.3
Electrical goods	20.9	20.8	20.8	.1	.0
Machinery, equipment, and supplies ...	68.8	68.5	67.7	.2	1.1
Wholesale trade-nondurable goods	93.3	93.1	91.3	.2	2.0
Groceries and related products	30.0	30.0	29.0	.0	1.0
RETAIL TRADE	865.2	864.2	839.5	1.1	25.7
General merchandise stores	116.8	113.5	117.9	3.3	- 1.2
Department stores	102.8	100.0	105.4	2.9	- 2.6
Food stores	132.5	132.8	130.0	-.3	2.4
Automotive dealers & service stations ..	96.9	96.9	92.2	-.1	4.7
Apparel and accessory stores	41.5	40.6	39.6	.9	1.9
Eating and drinking places	303.6	309.5	295.3	- 5.9	8.4
FINANCE, INSURANCE, AND REAL ESTATE	245.0	245.7	235.4	-.6	9.6
Banking	63.1	63.3	61.6	-.2	1.5
Credit agencies other than banks	38.6	38.8	37.4	-.2	1.2
Insurance carriers	65.8	65.8	63.8	.0	2.0
Life insurance	24.0	24.0	23.7	-.1	.2
Fire, marine, and casualty insurance ..	29.5	29.4	28.7	.1	.8
SERVICES	1074.1	1078.2	1019.1	- 4.1	55.0
Hotels and other lodging places	34.2	35.6	33.6	- 1.4	.7
Personal services	57.8	57.2	54.7	.6	3.1
Laundry, cleaning, & garment services ..	19.2	19.0	18.6	.2	.6
Business services	221.5	220.5	199.9	1.0	21.6
Services to buildings	30.3	30.4	28.3	.0	2.1
Computer and data processing services ..	20.4	20.2	18.4	.2	2.0
Amusement and recreation services	39.0	50.6	37.1	- 11.6	1.9
Health services	365.7	364.8	348.9	.9	16.7
Nursing and personal care facilities ..	81.2	81.0	77.0	.2	4.2
Hospitals	178.7	178.5	172.0	.2	6.7
Educational services	60.9	55.1	61.7	5.8	-.8
Colleges and universities	32.6	28.1	34.0	4.5	- 1.4
GOVERNMENT	697.2	673.2	691.8	24.0	5.4
Federal government	94.6	94.7	93.3	-.2	1.3
State government	156.8	142.8	154.2	14.0	2.6
State government education ¹	82.7	68.0	82.8	14.7	-.2
State government, except education ...	74.1	74.9	71.3	-.7	2.8
Local government	445.9	435.7	444.3	10.2	1.5
Local government education	259.8	246.9	260.0	12.9	-.2
Local government, except education ...	186.0	188.8	184.3	- 2.7	1.8

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c
MANUFACTURING	\$505.79	\$500.12	\$483.53	42.9	42.6	41.9	\$11.79	\$11.74	\$11.54
Durable Goods ^e	523.67	516.67	502.25	43.1	42.7	42.1	12.15	12.10	11.93
Lumber and wood products	296.13	293.46	302.63	40.4	40.2	41.4	7.33	7.30	7.31
Furniture and fixtures	366.50	353.33	348.96	41.6	40.8	41.2	8.81	8.66	8.47
Stone, clay, and glass products	451.12	460.31	447.44	42.2	42.7	41.7	10.69	10.78	10.73
Glass and glassware, pressed or blown	464.90	477.82	506.18	39.6	40.7	43.3	11.74	11.74	11.69
Primary metal industries	608.34	630.20	563.50	44.6	45.7	42.4	13.64	13.79	13.29
Blast furnace and basic steel products	634.05	667.81	580.25	45.0	46.7	42.2	14.09	14.30	13.75
Iron and steel foundries	624.85	616.86	595.52	44.6	44.7	43.5	14.01	13.80	13.69
Nonferrous rolling and drawing	611.31	660.22	560.52	42.6	44.7	40.5	14.35	14.77	13.84
Fabricated metal products	498.62	484.88	488.36	42.4	41.8	42.1	11.76	11.60	11.60
Cutlery, hand tools, and hardware	478.40	456.30	470.05	40.0	39.1	39.6	11.96	11.67	11.87
Fabricated structural metal products	456.22	455.18	441.34	42.4	42.7	42.6	10.76	10.66	10.36
Metal forgings and stampings	607.82	585.97	618.25	43.2	42.4	43.6	14.07	13.82	14.18
Machinery, except electrical	510.56	489.41	482.58	43.6	42.3	42.0	11.71	11.57	11.49
Construction and related machinery	417.59	410.04	421.89	40.9	40.8	41.0	10.21	10.05	10.29
Metalworking machinery	493.19	477.48	464.78	43.8	42.9	42.1	11.26	11.13	11.04
Special industry machinery	503.09	475.90	457.71	43.9	41.6	41.8	11.46	11.44	10.95
General industrial machinery	526.44	525.64	513.95	42.8	42.7	42.3	12.30	12.31	12.15
Office and computing machines	434.49	428.26	399.53	44.2	43.7	42.1	9.83	9.80	9.49
Refrigeration and service machinery	539.55	540.38	574.00	41.6	41.6	42.9	12.97	12.99	13.38
Electric and electronic equipment	467.87	452.08	456.77	41.7	40.4	41.6	11.22	11.19	10.98
Electrical industrial apparatus	483.72	464.12	437.12	43.5	41.7	40.7	11.12	11.13	10.74
Household appliances	475.97	453.53	471.03	40.2	38.5	41.5	11.84	11.78	11.35
Electric lighting and wiring equipment	475.80	443.25	472.34	41.7	39.4	41.8	11.41	11.25	11.30
Communication equipment	518.64	492.46	473.49	42.2	40.8	40.4	12.29	12.07	11.72
Transportation equipment	650.90	634.36	610.76	44.4	43.9	42.8	14.66	14.45	14.27
Motor vehicles and equipment	672.12	648.68	624.35	44.6	43.8	42.3	15.07	14.81	14.76
Aircraft and parts	611.34	605.49	584.77	44.3	44.1	44.2	13.80	13.73	13.23
Instruments and related products	372.00	379.55	355.32	40.7	41.3	39.7	9.14	9.19	8.95
Measuring and controlling devices	351.53	354.63	336.55	38.8	38.8	37.9	9.06	9.14	8.88
Nondurable Goods ^f	462.34	461.92	444.52	42.3	42.3	41.7	10.93	10.92	10.66
Food and kindred products	436.18	453.64	426.72	41.7	44.0	42.0	10.46	10.31	10.16
Meat products	376.07	393.13	372.08	40.7	42.5	40.4	9.24	9.25	9.21
Dairy products	464.34	496.30	452.19	42.6	45.2	42.3	10.90	10.98	10.69
Preserved fruits and vegetables	426.92	454.72	412.02	40.2	46.4	42.0	10.62	9.80	9.81
Bakery products	459.49	455.07	465.63	40.2	39.4	39.9	11.43	11.55	11.67
Beverages	454.51	456.38	424.79	43.0	43.3	42.1	10.57	10.54	10.09
Apparel and other textile products	295.71	291.06	271.36	39.8	38.5	37.9	7.43	7.56	7.16
Paper and allied products	500.19	510.98	495.29	44.9	45.3	44.5	11.14	11.28	11.13
Misc. converted paper products	436.17	460.34	460.67	43.1	43.8	44.9	10.12	10.51	10.26
Paperboard containers and boxes	443.52	440.06	422.30	44.0	43.7	42.4	10.08	10.07	9.96
Printing and publishing	439.24	444.24	418.95	39.5	39.7	38.9	11.12	11.19	10.77
Newspapers	371.95	400.75	357.76	34.6	36.8	34.6	10.75	10.89	10.34
Commercial printing	431.01	439.11	422.42	40.7	41.0	40.5	10.59	10.71	10.43
Chemicals and allied products	549.93	542.27	512.05	42.4	42.2	41.8	12.97	12.85	12.25
Industrial inorganic chemicals	606.19	608.96	550.84	43.8	44.0	41.2	13.84	13.84	13.37
Rubber and misc. plastics products	459.02	437.38	443.23	43.8	42.3	42.7	10.48	10.34	10.38
Tires and inner tubes	656.93	664.41	635.51	46.1	46.3	45.2	14.25	14.35	14.06
Miscellaneous plastics products	442.68	413.34	428.40	43.4	41.5	42.5	10.20	9.96	10.08

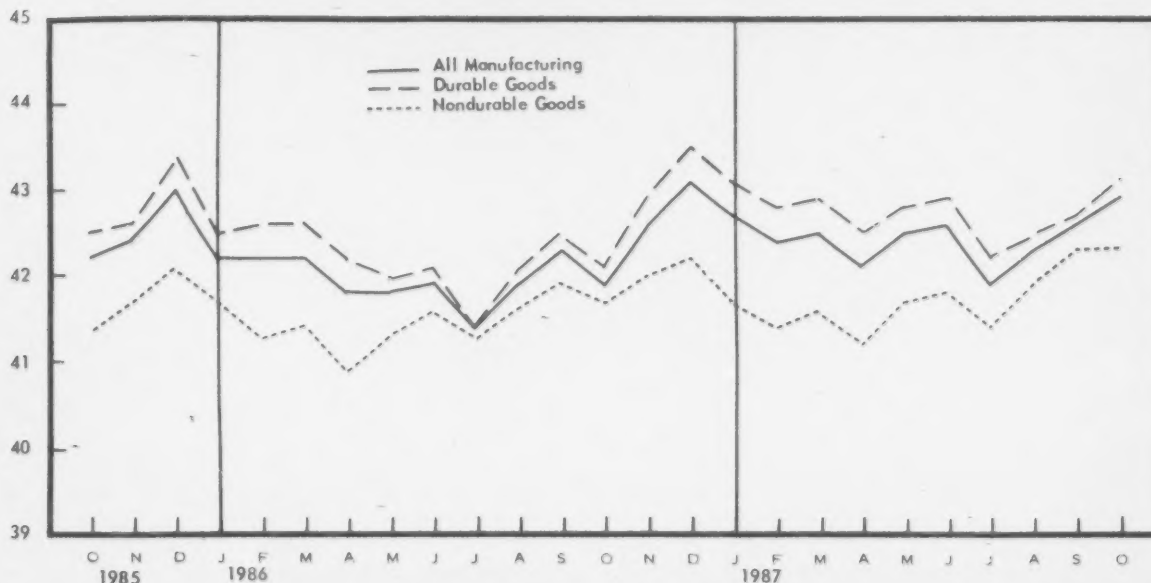
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers^a

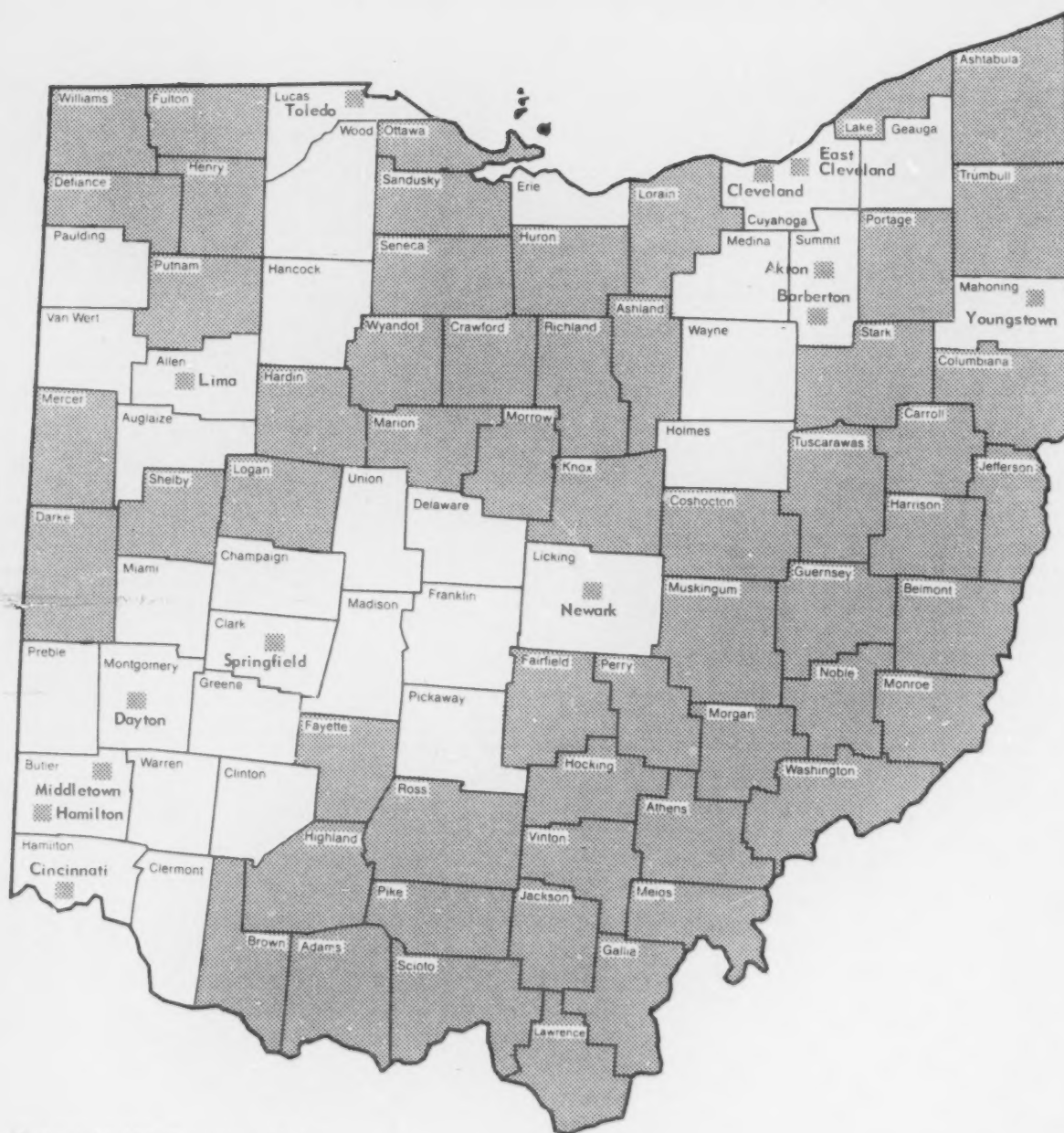
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c
MINING	\$545.38	\$541.30	\$516.67	43.7	43.2	43.2	\$12.48	\$12.53	\$11.96
Bituminous coal and lignite mining	644.82	653.26	597.40	42.2	42.2	39.8	15.28	15.48	15.01
CONSTRUCTION	590.94	538.37	588.35	40.2	36.9	39.7	14.70	14.59	14.82
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	558.14	566.50	552.49	40.8	41.2	41.2	13.68	13.75	13.41
Communication	542.70	558.42	545.61	40.2	41.0	40.9	13.50	13.62	13.34
Electric, gas, and sanitary services ..	578.66	576.29	561.60	41.6	41.4	41.6	13.91	13.92	13.50
WHOLESALE TRADE	386.10	382.76	369.57	39.6	39.5	39.4	9.75	9.69	9.38
Wholesale trade-durable goods	377.85	375.14	364.59	39.4	39.2	39.5	9.59	9.57	9.23
Wholesale trade-nondurable goods	399.19	392.83	376.92	39.8	39.8	39.1	10.03	9.87	9.64
RETAIL TRADE ^h	163.59	164.16	158.44	28.7	28.8	28.6	5.70	5.70	5.54
General merchandise stores	177.45	189.00	179.67	28.9	30.0	29.6	6.14	6.30	6.07
Department stores	183.33	195.13	184.11	29.1	30.3	29.6	6.30	6.44	6.22
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	259.39	257.46	251.79	.....	.....	.....	.....	.....	.....
Credit agencies other than banks	253.79	252.70	244.91	.....	.....	.....	.....	.....	.....
Insurance carriers	354.02	348.69	338.18	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	334.31	335.32	322.01	33.1	33.2	33.3	10.10	10.10	9.67

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gMoney payments only; tips not included. ^hIncludes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ⁱDepressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



LABOR SURPLUS AREAS IN OHIO



Designated by U.S. Department of Labor.

The U.S. Department of Labor has designated labor surplus areas for the period October 1, 1987 through September 30, 1988. Employers located in labor surplus areas can be given preference in bidding on federal procurement contracts under Executive Orders 12073 (Federal Procurement in Labor Surplus Areas) and 10582 (Implementing the Buy American Act). Designated areas in Ohio are listed below.

The classification, Labor Surplus Area, is assigned on a county level unless a county contains a city or cities with a population of 25,000 or more. In that case, the city or cities and the balance-of-county are classified separately. A qualifying city is listed below only if the entire county in which it is located does not qualify. To qualify as a labor surplus area during this period, the average unemployment rate in the specified area for the two-year period January 1985 through December 1986 must be at least 8.6 percent.

In exceptional circumstances, the Ohio Bureau of Employment Services may petition the Employment and Training Administration, U.S. Department of Labor, to waive the regular criteria when an area experiences a significant increase in unemployment which is not temporary or seasonal and which was not adequately reflected in data for the reference period. The unemployment rate for each of the most recent three months and projected for each of the next twelve months must be at least 8.6 percent.

Questions about Labor Surplus Areas may be directed to: Dixie Sommers, Director, OBES - Labor Market Information Division, 145 S. Front St., Columbus, OH 43215, phone (614) 481-5783, or to one of the following Labor Market Analysts:

City	Name	Phone Number
Akron/Canton	W. Keith Fletcher	(216) 434-2141
Bowling Green	Don Wonnell	(419) 354-2559
Cincinnati	Gary M. Flesch	(513) 852-3124
Cleveland	Thomas Buescher	(216) 622-3550
Steubenville	Pietro Scaffidi	(614) 283-4165
Youngstown	Donald E. Curry	(216) 744-5201

Labor Surplus Areas in Ohio

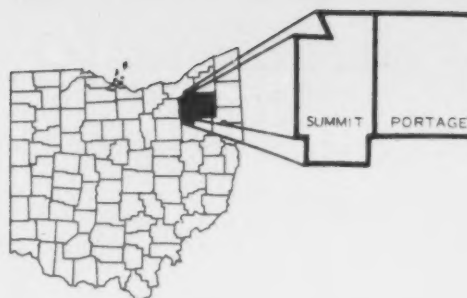
Akron
Barberton
Cincinnati
Cleveland
Dayton
East Cleveland
Hamilton
Lima
Middletown
Newark
Springfield
Toledo
Youngstown

Cities

Adams	Fayette	Lake	Portage (except Kent)
Ashland	Fulton	Lawrence	Putnam
Ashtabula	Gallia	Logan	Richland
Athens	Guernsey	Lorain	Ross
Belmont	Hardin	Marion	Sandusky
Brown	Harrison	Meigs	Scioto
Carroll	Henry	Mercer	Seneca
Columbiana	Highland	Monroe	Shelby
Coshocton	Hocking	Morgan	Stark
Crawford	Huron	Morrow	Trumbull
Darke	Jackson	Muskingum	Tuscarawas
Defiance	Jefferson	Noble	Vinton
Fairfield	Knox	Ottawa	Washington
		Perry	Williams
		Pike	Wyandot

Counties

AKRON PRIMARY METROPOLITAN STATISTICAL AREA

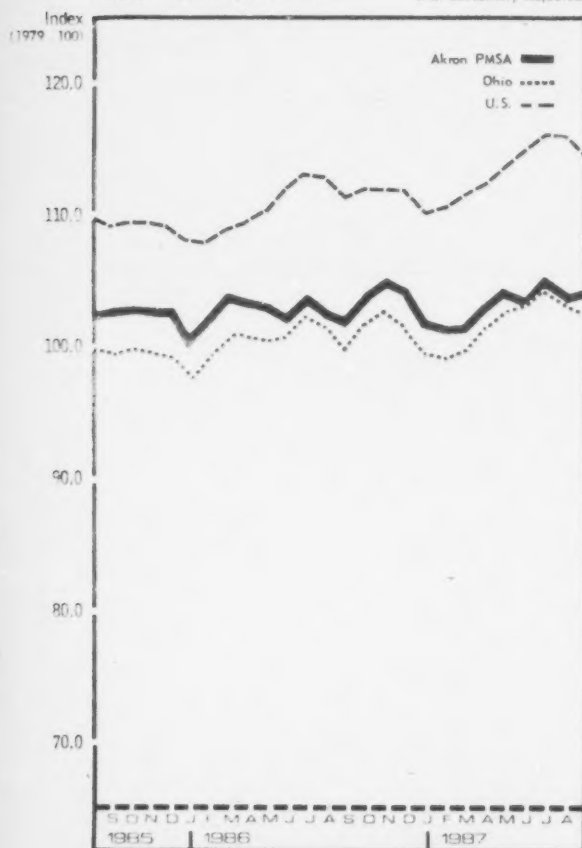


Nonagricultural wage and salary employment for the Akron metropolitan area totaled 270,700 in October, an improvement of 600 jobs from September. Employment in manufacturing decreased 300, to 65,000, due to the decline in rubber and miscellaneous plastics products. Seasonal losses in amusement and recreation services were more than offset by the return of nonfaculty personnel in state and local schools and colleges, and gains in retail trade and construction. Factory production worker average weekly hours declined by .3 hours over the month, to 43.0 hours. Their average hourly earnings rose fractionally, to \$11.29 per hour.

Nonfarm wage and salary employment in the Akron area advanced 6,800 over the year. Nonmanufacturing industries provided the boost in employment, as increases were recorded throughout the divisions. Services, retail trade, and construction were the primary contributors toward the advancement. Sizable setbacks in rubber and miscellaneous plastics products, especially tires and inner tubes, and fabricated metal products accounted for the loss of 1,500 manufacturing jobs.

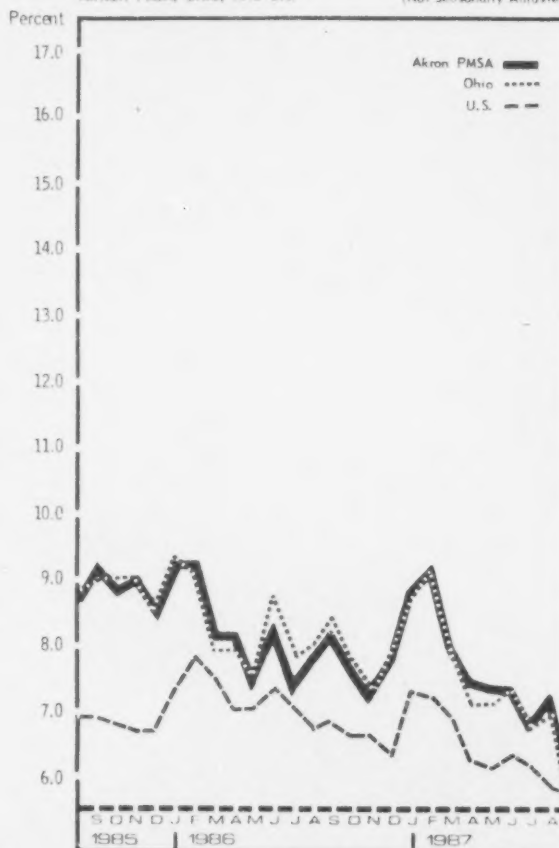
INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

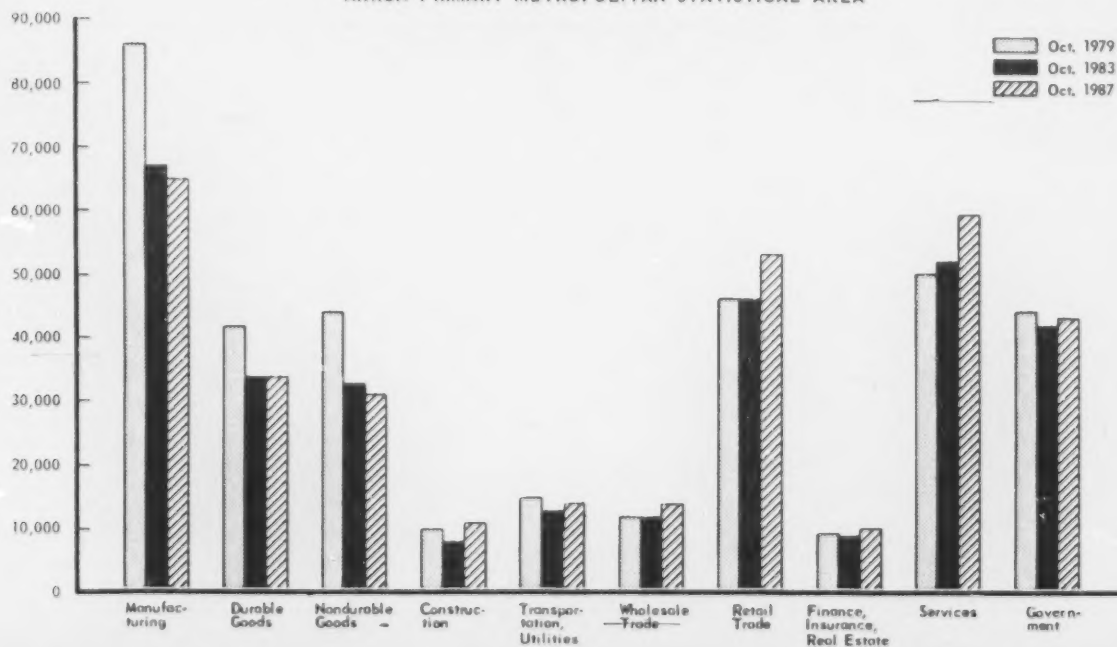


AKRON PHSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
	Total Employed		Unemployed			Manufacturing Employment				
	Total	Rate	Total	Rate			Manufacturing Production Workers			
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
291.3	266.3	25.0	8.6	1976	247.3	80.3	44.5	\$253.44	42.1	\$ 6.02
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	285.53	42.3	6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
319.5	293.9	25.6	8.0	1986	260.0	66.8	36.2	484.70	43.2	11.22
1986										
317.0	291.0	26.1	8.2	September	263.9	66.7	36.3	490.16	43.3	11.32
320.4	296.2	24.3	7.6	October	263.9	66.5	36.0	488.91	43.0	11.37
323.4	300.2	23.2	7.2	November	265.7	66.7	36.2	491.62	43.2	11.38
322.9	297.8	25.2	7.8	December	266.4	67.0	36.3	498.08	43.5	11.45
1987										
318.2	290.0	28.1	8.8	January	259.5	66.6	36.2	489.62	43.1	11.36
318.0	288.7	29.2	9.2	February	259.2	66.2	35.9	487.05	42.5	11.46
314.4	289.3	25.1	8.0	March	260.5	65.2	35.4	483.64	42.8	11.30
316.9	293.4	23.5	7.4	April	263.4	64.7	34.9	483.75	43.0	11.25
320.9	297.5	23.4	7.3	May	266.8	64.5	35.0	487.19	43.0	11.33
317.3	294.3	23.1	7.3	June	262.8	64.5	35.0	488.32	43.1	11.33
321.3	299.8	21.6	6.7	July	262.9	64.2	34.9	469.42	42.1	11.15
318.8	295.7	23.1	7.2	August	263.1	64.3	35.0	482.36	43.3	11.14
315.6	297.5	18.1	5.7	September	270.1	65.3	36.0	488.42	43.3	11.28
INA	INA	INA	INA	October	270.7	65.0	35.9	485.47	43.0	11.29

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	October 1987 ^b	September 1987 ^c	October 1986 ^c	From Last Month	From Last Year
TOTAL	270.7	270.1	263.9	.6	6.8
MANUFACTURING	65.0	65.3	66.5	-.3	-1.5
Durable Goods ^e	34.3	34.3	35.0	.0	-.7
Fabricated metal products	12.6	12.7	13.0	-.1	-.4
Machinery, except electrical	9.3	9.3	9.3	.0	.0
Metalworking machinery	3.1	3.1	3.0	.0	.1
Nondurable Goods ^f	30.6	31.0	31.5	-.4	-.9
Food and kindred products	2.8	2.9	2.7	-.1	.1
Chemicals and allied products	3.0	3.0	2.8	.0	.2
Rubber and misc. plastics products	19.1	19.4	20.5	-.3	-1.4
Tires and inner tubes	11.8	12.0	13.5	-.2	-1.6
NONMANUFACTURING^g	205.7	204.8	197.4	.9	8.3
CONSTRUCTION	11.4	11.2	9.8	.2	1.6
TRANSPORTATION AND PUBLIC UTILITIES	13.6	13.6	13.1	.0	.4
Communication, electric, gas services ..	5.5	5.5	5.4	.0	.1
WHOLESALE TRADE	13.8	13.7	13.8	.1	.0
RETAIL TRADE	53.1	52.9	50.8	.2	2.3
General merchandise stores	6.9	6.7	6.6	.2	.4
FINANCE, INSURANCE, AND REAL ESTATE	10.5	10.5	10.1	.0	.4
Banking	3.1	3.1	3.1	.0	.0
SERVICES	59.2	59.7	55.6	-.5	3.5
Business services	11.5	11.4	10.7	.1	.9
Amusement and recreation services	3.3	4.1	2.6	-.3	.7
Health services	18.4	18.3	17.5	.1	.8
GOVERNMENT	43.4	42.6	43.4	.8	.0
State government	15.4	15.1	15.6	.3	-.2
State government education ¹	12.4	12.0	12.7	.3	-.3
State government, except education ...	3.0	3.0	2.9	-.1	.1
Local government	25.7	25.2	25.6	.6	.1
Local government education	14.4	13.7	14.1	.7	.4
Local government, except education ...	11.3	11.4	11.5	-.2	-.2

Hours & Earnings of Production or Nonsupervisory Workers^a

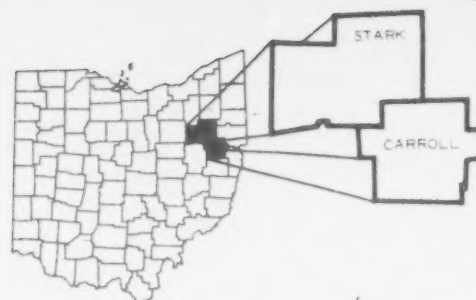
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c
MANUFACTURING	\$485.47	\$488.42	\$488.91	43.0	43.3	43.0	\$11.29	\$11.28	\$11.37
Durable Goods ^e	498.67	492.20	507.04	43.1	43.1	43.3	11.57	11.42	11.71
Fabricated metal products	580.86	580.99	656.37	42.0	43.1	45.9	13.83	13.48	14.30
Machinery, except electrical	474.83	448.06	427.39	46.1	44.1	43.7	10.30	10.16	9.78
Metalworking machinery	477.02	448.12	434.43	46.0	44.5	43.4	10.37	10.07	10.01
Nondurable Goods ^f	464.81	483.32	460.28	42.8	43.7	42.5	10.86	11.06	10.83
Food and kindred products	466.12	500.02	441.05	43.4	46.0	40.8	10.74	10.87	10.81
Chemicals and allied products	510.35	527.61	453.69	42.6	44.3	40.4	11.98	11.91	11.23
Rubber and n ^o sc. plastics products	488.37	499.26	495.27	43.8	44.3	44.3	11.15	11.27	11.18
Tires and inner tubes	738.02	764.48	715.84	47.4	48.6	48.4	15.57	15.73	14.79
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	572.52	580.17	561.27	41.1	41.5	41.3	13.93	13.98	13.59
WHOLESALE TRADE	340.55	343.66	316.30	37.3	38.1	37.3	9.13	9.02	8.48
RETAIL TRADE ^h	201.85	203.39	193.44	32.4	32.7	31.2	6.23	6.22	6.20

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	2,947	2,652	3,213
Active File of Job Seekers	17,920	17,157	20,882
Referrals to Jobs	1,563	1,691	1,491
Placements	612	659	495
Job Openings Received	748	999	714
Job Openings Unfilled	1,288	2,360	921
Unemployment Insurance Program			
Initial Claims	2,438	2,197	3,542
Continued Claims	20,908	23,387	28,844
First Payments	958	1,142	1,212
Last Payments	497	413	477
Weeks Compensated	18,454	19,210	20,437
Benefits Paid	\$2,780,952	\$2,879,317	\$2,951,717
Average Weekly Payment	\$155.04	\$153.64	\$148.35

CANTON METROPOLITAN STATISTICAL AREA

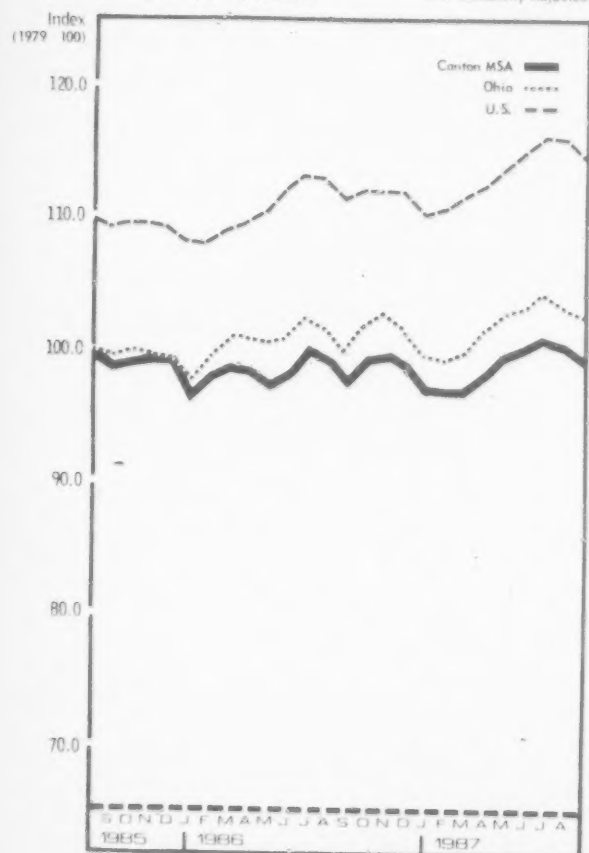


Canton's nonagricultural wage and salary employment for the month of October totaled 157,600, a net gain of 800 from September. Employment in manufacturing remained unchanged at 42,400. A seasonal increase in nonteaching personnel in the local schools helped boost nonmanufacturing employment by 800. Manufacturing production workers averaged a 41.9 hour workweek at \$11.41 per hour, up .4 hours and \$.11, respectively, from the previous month.

From October 1986 to October 1987, nonfarm wage and salary employment in the Canton area registered an expansion of 7,900 new jobs. Major advancements in retail trade, construction, and services accounted for most of the growth in nonmanufacturing employment. Overall improvement in durable-goods industries, particularly in primary metals, helped lead to the addition of 3,700 manufacturing jobs.

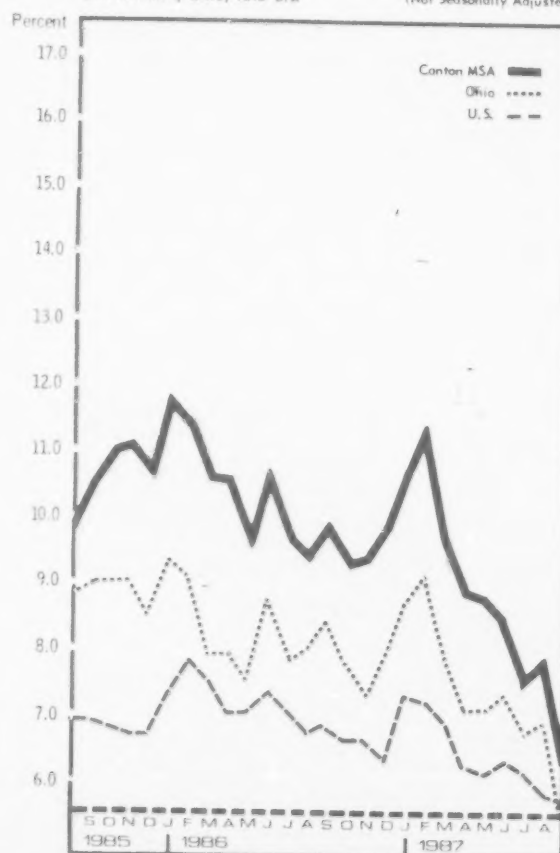
INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

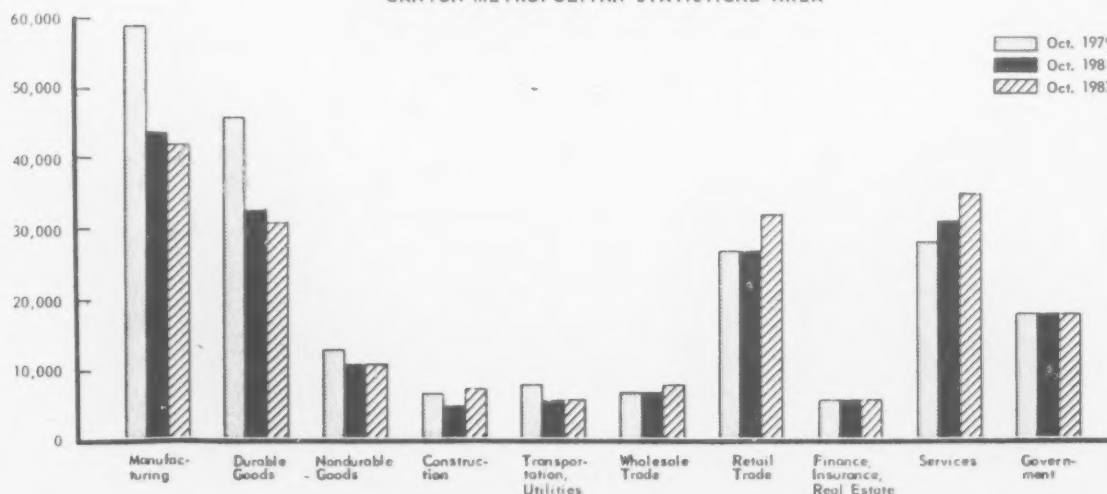


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed		Unemployed			Manufacturing Employment				
	Total	Rate	Total	Rate			Manufacturing Production Workers			
							Average Weekly Earnings	Average Weekly Hours	Hours and Earnings Average Hourly Earnings	
174.4	158.6	15.8	9.1	1976	145.9	54.8	40.4	\$244.73	39.6	\$ 6.18
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	273.14	39.7	6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.3	171.0	19.4	10.2	1986	151.8	43.5	30.9	451.76	40.3	11.21
1986										
187.2	168.6	18.6	9.9	September	153.8	44.0	31.4	447.75	39.8	11.25
190.2	172.4	17.7	9.3	October	149.7	38.7	26.2	445.61	40.4	11.03
191.1	173.2	18.0	9.4	November	154.2	43.0	30.5	471.33	41.2	11.44
190.3	171.5	18.7	9.9	December	154.4	42.8	30.2	476.94	41.8	11.41
1987										
188.2	168.1	20.1	10.7	January	151.3	42.7	30.2	483.19	42.2	11.45
189.2	167.6	21.6	11.4	February	151.2	42.9	30.2	476.70	42.0	11.35
185.7	167.6	18.1	9.7	March	151.7	42.7	30.1	477.12	42.0	11.36
187.3	170.6	16.7	8.9	April	153.9	42.7	30.2	471.03	41.5	11.35
189.2	172.6	16.7	8.8	May	155.6	42.5	30.1	486.35	42.7	11.39
189.7	173.5	16.2	8.5	June	156.4	42.5	30.1	479.39	42.2	11.36
189.1	175.0	14.1	7.5	July	154.8	41.7	29.5	470.50	41.6	11.31
188.8	173.9	14.8	7.9	August	156.1	42.2	30.2	460.73	41.1	11.21
183.6	172.0	11.6	6.3	September	156.8	42.5	30.5	468.95	41.5	11.30
INA	INA	INA	INA	October	157.6	42.4	30.5	478.08	41.9	11.41

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	October 1987 ^b	September 1987 ^c	October 1986 ^c	From Last Month	From Last Year
TOTAL	157.6	156.8	149.7	.8	7.9
MANUFACTURING	42.4	42.5	38.7	.0	3.7
Durable Goods ^e	31.4	31.4	27.4	.1	4.1
Primary metal industries	10.1	10.0	8.4	.1	1.8
Fabricated metal products	6.2	6.2	6.9	.0	.7
Metal forgings and stampings	2.0	2.0	2.4	.0	.4
Nondurable Goods ^f	11.0	11.1	11.4	-.1	-.4
Food and kindred products	3.5	3.6	3.7	-.2	-.2
Rubber and misc. plastics products	2.7	2.7	2.7	.0	.0
NONMANUFACTURING^g	115.2	114.3	110.9	.8	4.2
CONSTRUCTION	7.5	7.3	6.3	.2	1.2
TRANSPORTATION AND PUBLIC UTILITIES	6.0	6.0	5.9	.0	.2
Communication, electric, gas services ..	2.7	2.7	2.7	.0	.1
WHOLESALE TRADE	8.1	8.0	8.0	.1	.1
Wholesale trade-durable goods	4.5	4.5	4.6	.0	.1
RETAIL TRADE	32.4	32.5	31.0	.1	1.5
General merchandise stores	4.0	3.9	3.9	.1	.2
Food stores	5.3	5.2	5.1	.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.6	6.5	-.1	.0
Banking	1.9	1.9	1.9	.0	.0
SERVICES	35.1	34.9	34.0	.2	1.1
Health services	15.0	14.9	14.5	.1	.5
GOVERNMENT	18.4	17.9	18.3	.5	.2
State government (includes education) ..	1.7	1.7	1.7	.0	.0
Local government	15.3	14.8	15.2	.5	.1
Local government education	8.9	8.4	9.3	.5	.4
Local government, except education ...	6.4	6.4	5.9	.0	.5

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers^a

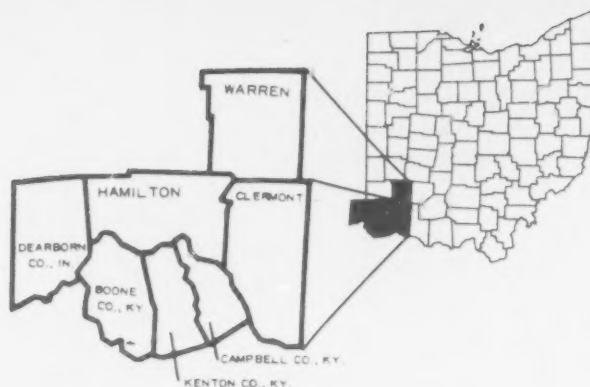
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c
MANUFACTURING	\$478.08	\$468.95	\$445.61	41.9	41.5	40.4	\$11.41	\$11.30	\$11.03
Durable Goods ^e	498.62	487.20	461.86	42.4	42.0	40.8	11.76	11.60	11.32
Primary metal industries	573.77	565.07	524.17	43.5	43.3	41.8	13.19	13.05	12.54
Fabricated metal products	449.22	443.77	489.52	41.1	40.9	42.2	10.93	10.85	11.60
Metal forgings and stampings	606.56	600.06	624.49	40.6	41.1	41.8	14.94	14.60	14.94
Nondurable Goods ^f	415.53	411.37	407.25	40.5	39.9	39.5	10.26	10.31	10.31
Food and kindred products	428.18	420.79	426.58	39.5	39.4	39.1	10.84	10.68	10.91
Rubber and misc. plastics products	435.66	459.24	420.45	41.1	43.0	41.1	10.60	10.68	10.23
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	559.65	564.82	541.86	41.0	41.5	41.3	13.65	13.61	13.12
WHOLESALE TRADE	405.96	379.55	331.06	39.8	38.3	34.2	10.20	9.91	9.68
RETAIL TRADE ^h	154.47	153.30	155.27	28.5	28.6	28.7	5.42	5.36	5.41

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	1,099	1,224	1,515
Active File of Job Seekers	11,007	11,327	17,907
Referrals to Jobs	945	897	1,089
Placements	153	180	265
Job Openings Received	408	461	552
Job Openings Unfilled	518	735	352
Unemployment Insurance Program			
Initial Claims	1,787	1,833	3,931
Continued Claims	12,491	15,061	32,342
First Payments	627	699	4,446
Last Payments	243	203	319
Weeks Compensated	10,248	10,670	26,278
Benefits Paid	\$1,417,484	\$1,494,898	\$4,350,578
Average Weekly Payment	\$142.84	\$144.14	\$169.54

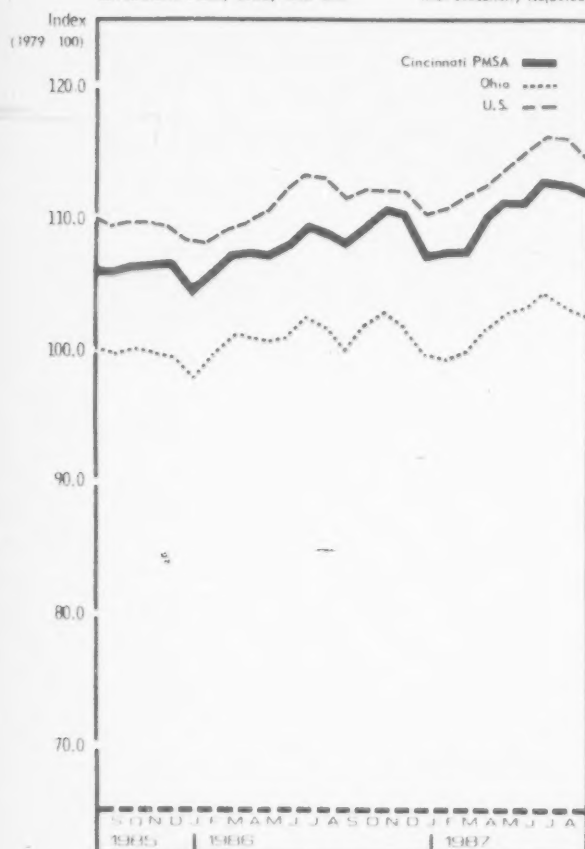
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



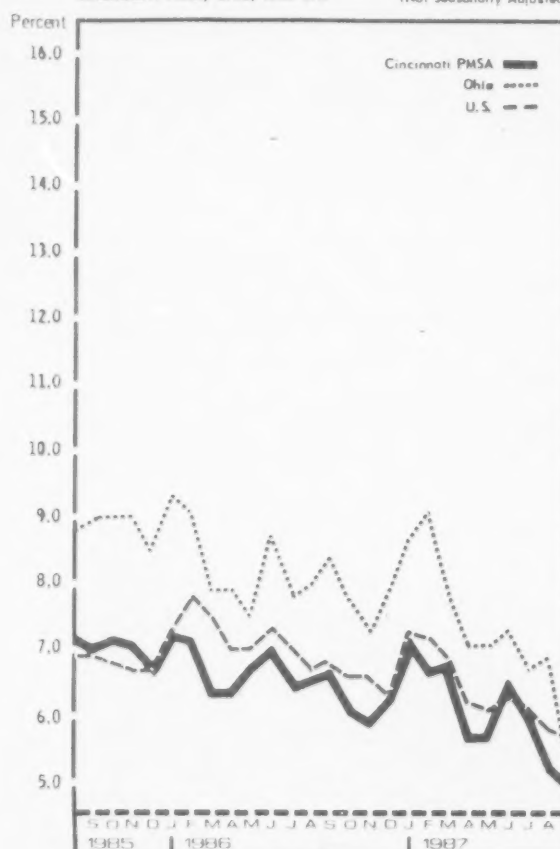
Nonfarm wage and salary employment in the Cincinnati area was 687,800 in October, down 900 from September. Manufacturing employment, at 145,400, was down 1,600, due to layoffs in motor vehicles and equipment. Increases in nonfaculty employment in state and local schools and colleges more than offset seasonal declines in amusement and recreation services. Factory production workers earned an average of \$10.89 per hour, down \$.08 from September. The average workweek was up slightly, to 43.1 hours.

Since October 1986, nonfarm employment increased 22,300. Growth in retail trade, business and health services, construction, and wholesale trade contributed most to the improvement. Manufacturing lost 3,800 employees, as scattered gains in nondurable-goods industries were overshadowed by losses in motor vehicles and equipment and metalworking machinery.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

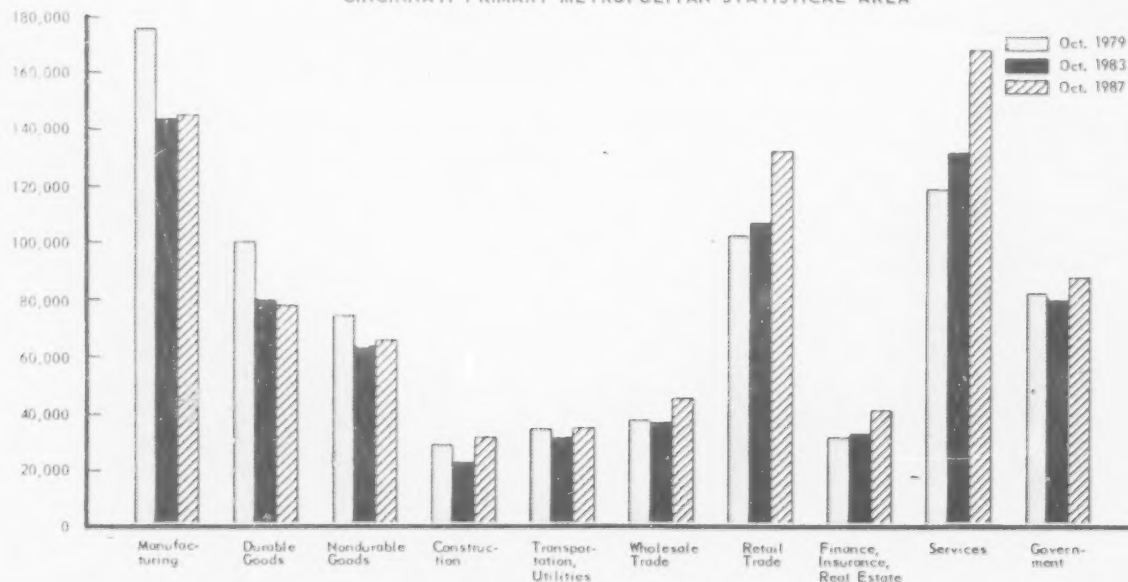


CINCINNATI PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
	Total Employed				Manufacturing Employment					
		Unemployed				Manufacturing Production Workers				
		Total	Rate				Hours and Earnings			
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
604.8	566.6	38.2	6.3	1976	541.9	155.6	107.8	\$232.22	41.1	\$ 5.65
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	260.83	41.6	6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
726.5	679.4	47.2	6.5	1986	651.2	147.9	95.7	453.00	42.1	10.76
1986										
725.7	678.0	47.7	6.6	September	663.3	149.3	97.2	456.84	42.3	10.80
733.0	689.2	43.7	6.0	October	665.5	149.2	97.1	459.00	42.5	10.80
738.8	696.2	42.5	5.8	November	667.5	149.4	97.3	474.57	43.3	10.96
738.5	693.0	45.5	6.2	December	669.1	148.6	96.3	472.14	43.0	10.98
1987										
727.5	671.9	55.6	7.6	January	650.8	144.3	91.8	458.53	42.3	10.84
726.9	675.2	51.6	7.1	February	655.2	147.2	94.6	467.25	42.4	11.02
727.0	675.0	52.0	7.2	March	657.2	143.9	91.6	462.40	42.5	10.88
732.2	691.5	40.7	5.6	April	671.8	147.5	95.3	459.39	41.8	10.99
740.9	699.3	41.6	5.6	May	678.7	148.1	95.7	466.15	42.3	11.02
747.8	698.8	48.9	6.5	June	679.2	145.4	92.6	466.52	42.8	10.90
752.9	708.5	44.4	5.9	July	678.2	145.6	92.4	451.73	42.1	10.73
744.9	705.9	38.9	5.2	August	684.7	149.2	96.2	472.69	42.7	11.07
737.6	701.2	36.4	4.9	September	688.8	147.0	94.2	471.71	43.0	10.97
INA	INA	INA	INA	October	687.8	145.4	92.6	469.36	43.1	10.89

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment^a

	Employment (in thousands)			Change ^d (in thousands)	
	October 1987 ^b	September 1987 ^c	October 1986 ^c	From Last Month	From Last Year
TOTAL	687.8	688.8	665.5	- .9	22.3
MANUFACTURING	145.4	147.0	149.2	- 1.6	- 3.8
Durable Goods ^e	78.0	79.6	82.6	- 1.5	- 4.6
Fabricated metal products	11.2	11.3	10.9	- .1	.3
Fabricated structural metal products ..	4.4	4.6	4.1	- .1	.3
Machinery, except electrical	19.4	19.5	20.5	- .1	- 1.1
Metalworking machinery	7.8	7.9	8.6	- .1	- .8
General industrial machinery	2.7	2.7	2.8	.0	- .1
Electric and electronic equipment	7.5	7.5	7.7	- .1	- .2
Transportation equipment	24.3	25.6	28.6	- 1.3	- 4.2
Motor vehicles and equipment	3.8	5.0	8.4	- 1.1	- 4.5
Nondurable Goods ^f	67.3	67.5	66.6	- .1	.8
Food and kindred products	13.3	13.4	13.2	- .1	.1
Beverages	3.8	3.8	4.0	.0	- .2
Apparel and other textile products	3.8	3.8	3.6	- .1	.2
Paper and allied products	6.9	6.9	6.5	.0	.4
Printing and publishing	13.4	13.5	13.1	- .1	.3
Commercial printing	5.9	6.1	5.6	- .2	.3
Chemicals and allied products	22.3	22.3	22.3	.0	.0
Rubber and misc. plastics products	5.8	5.7	5.5	.2	.3
NONMANUFACTURING^g	542.4	541.7	516.4	.7	26.1
CONSTRUCTION	32.1	31.6	29.4	.4	2.7
TRANSPORTATION AND PUBLIC UTILITIES	35.6	35.5	34.9	.1	.6
Trucking and warehousing	9.7	9.7	9.8	- .1	- .1
Communication, electric, gas services ..	15.3	15.3	15.3	.0	.0
WHOLESALE TRADE	45.7	45.5	43.4	.2	2.4
Wholesale trade-durable goods	27.5	27.3	25.9	.2	1.7
RETAIL TRADE	131.9	131.1	126.4	.8	5.5
General merchandise stores	20.0	19.4	19.6	.6	.3
FINANCE, INSURANCE, AND REAL ESTATE	40.6	40.7	38.6	- .1	1.9
Banking	8.6	8.5	8.2	.0	.4
Insurance carriers	13.3	13.2	12.7	.1	.6
SERVICES	167.9	170.3	156.4	- 2.4	11.5
Hotels and other lodging places	6.6	6.9	6.4	- .3	.2
Personal services	8.5	8.4	8.0	.1	.5
Business services	40.9	41.1	36.5	- .2	4.4
Amusement and recreation services	7.1	10.0	6.8	- 2.9	.3
Health services	52.7	52.5	49.4	.2	3.2
Hospitals	25.1	25.1	23.7	.1	1.4
GOVERNMENT	88.2	86.6	86.9	1.7	1.3
Federal government	14.3	14.3	14.0	.0	.3
State government	19.6	18.7	19.4	.9	.3
State government education ^h	11.8	10.8	11.6	1.1	.3
State government, except education ...	7.8	7.9	7.8	- .1	.0
Local government	54.3	53.6	53.6	.7	.7
Local government education	31.9	31.0	31.6	.9	.3
Local government, except education ...	22.4	22.6	22.0	- .2	.4

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c
MANUFACTURING	\$469.36	\$471.71	\$459.00	43.1	43.0	42.5	\$10.89	\$10.97	\$10.80
Durable Goods ^e	463.33	469.37	467.99	43.1	43.3	42.7	10.75	10.84	10.96
Fabricated metal products	425.00	431.57	411.61	43.5	44.4	43.1	9.77	9.72	9.55
Fabricated structural metal products ..	429.57	451.98	439.00	43.7	46.5	43.9	9.83	9.72	10.00
Machinery, except electrical	425.00	413.82	424.00	42.5	41.8	42.4	10.00	9.90	10.00
Metalworking machinery	451.00	453.95	475.68	41.0	41.8	43.6	11.00	10.86	10.91
General industrial machinery	463.37	452.95	404.55	46.9	46.6	42.9	9.88	9.72	9.43
Electric and electronic equipment	356.87	355.77	361.56	40.6	40.2	40.9	8.79	8.85	8.84
Transportation equipment	689.47	694.85	659.81	45.6	46.2	45.1	15.12	15.04	14.63
Motor vehicles and equipment	766.82	773.30	688.64	46.0	47.5	44.4	16.67	16.28	15.51
Non durable Goods ^f	475.39	475.08	449.23	43.1	42.8	42.3	11.03	11.10	10.62
Food and kindred products	517.44	539.26	467.38	44.8	45.7	42.8	11.55	11.80	10.92
Beverages	554.84	553.58	519.09	44.0	43.9	42.9	12.61	12.61	12.10
Apparel and other textile products	229.47	213.76	213.79	40.4	37.7	38.8	5.68	5.67	5.51
Paper and allied products	442.88	438.48	408.62	44.2	43.5	41.4	10.02	10.08	9.87
Printing and publishing	456.75	472.46	456.74	40.6	41.7	40.1	11.25	11.33	11.39
Commercial printing	467.74	519.55	526.14	41.8	45.1	44.4	11.19	11.52	11.85
Chemicals and allied products	543.57	531.65	523.08	42.4	41.6	42.7	12.82	12.78	12.25
Rubber and misc. plastics products	447.46	445.47	427.32	47.2	46.5	46.6	9.48	9.58	9.17
TRANSPORTATION AND PUBLIC UTILITIES	551.86	554.04	529.87	40.4	40.5	39.9	13.66	13.68	13.28
Communication, electric, gas services ..	551.86	554.04	529.87	40.4	40.5	39.9	13.66	13.68	13.28
WHOLESALE TRADE	385.82	395.65	382.17	40.4	41.0	40.7	9.55	9.65	9.39
RETAIL TRADE ^h	166.09	168.37	161.86	29.5	29.8	28.8	5.63	5.65	5.62
FINANCE, INSURANCE, AND REAL ESTATE	260.62	258.88	256.07	....	....	....	....	....	....
Banking	260.62	258.88	256.07	....	....	....	....	....	....

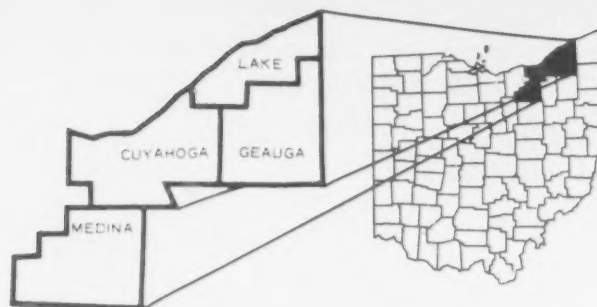
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities^a

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	4,280	4,328	3,713
Active File of Job Seekers	21,333	16,686	25,133
Referrals to Jobs	2,833	1,912	2,080
Placements	1,147	371	574
Job Openings Received	1,960	1,691	1,401
Job Openings Unfilled	3,512	3,459	2,148
Unemployment Insurance Program			
Initial Claims	4,772	5,226	4,016
Continued Claims	39,438	36,320	38,599
First Payments	1,593	2,683	1,858
Last Payments	549	517	629
Weeks Compensated	35,570	23,650	30,024
Benefits Paid	\$5,748,297	\$3,461,339	\$4,266,853
Average Weekly Payment	\$164.63	\$149.17	\$145.19

^aOhio data only

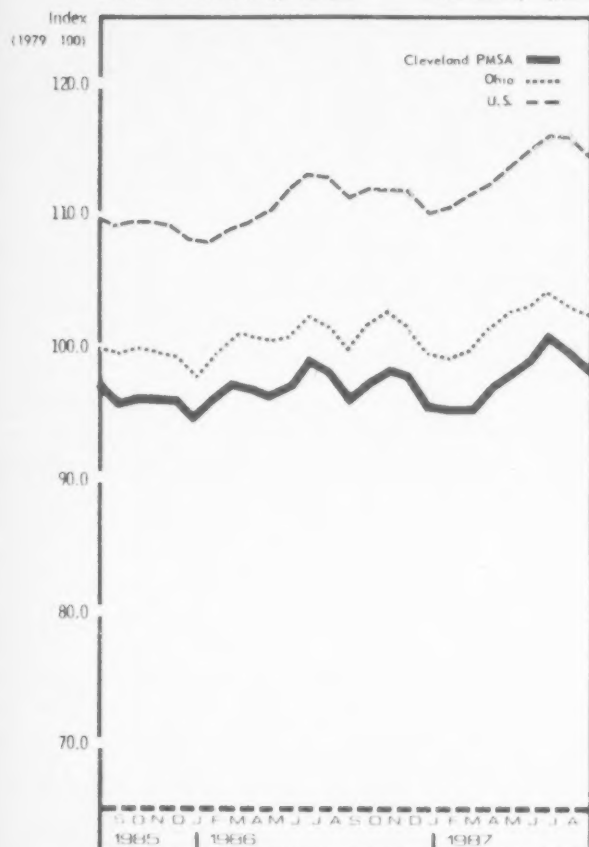
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



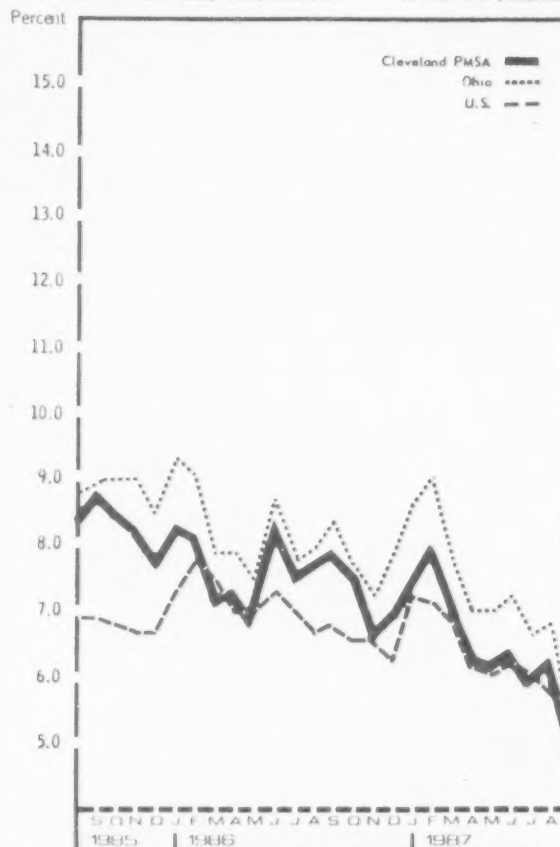
Nonfarm employment in the Cleveland metropolitan area advanced 3,400 from September, to 912,800 in October. Most of the improvement occurred in the nonmanufacturing sector, with 2,600 additional workers. Gains in local schools and general merchandise stores overshadowed seasonal losses in amusement and recreation services and local government. Manufacturing employment rose 800, to 205,400, due to increases in fabricated metal products and food and kindred products. Factory production workers earned an average of \$11.61 per hour, up \$.15 from September. Their average workweek increased .6 hours, to 43.1 hours.

Since October 1986, nonagricultural wage and salary employment increased 22,200. Substantial growth in business and health services, retail trade, and finance, insurance, and real estate contributed most to the rise in nonmanufacturing jobs. Manufacturing employment advanced 1,500 during the period. Increases in nondurable-goods industries offset the loss of 1,200 employees in instruments and related products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

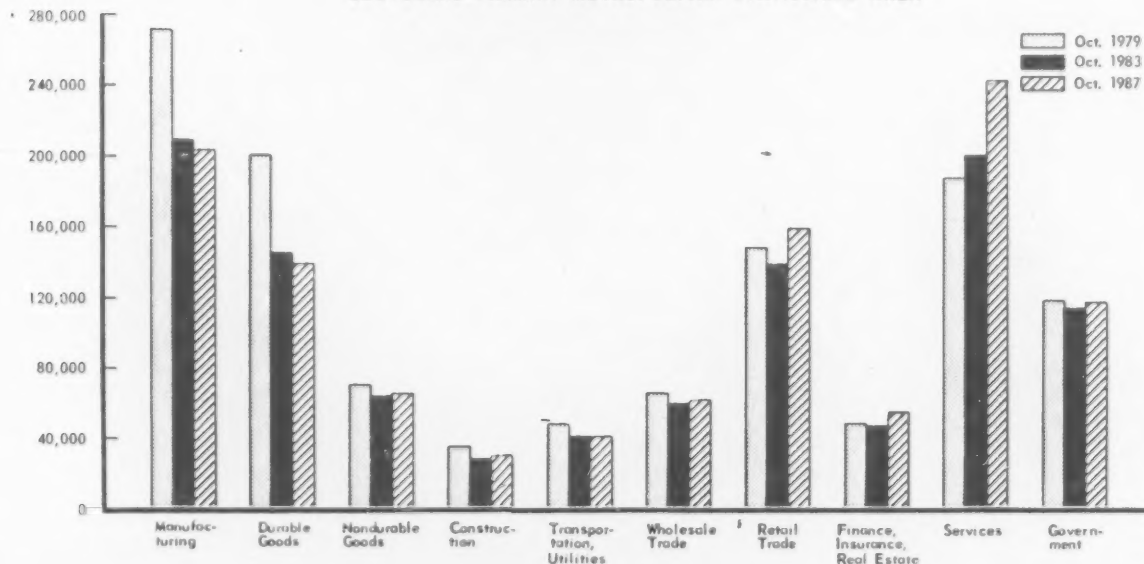


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
	Total Employed				Manufacturing Employment					
	Total	Unemployed				Manufacturing Production Workers				
		Total	Rate				Hours and Earnings			
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
897.7	834.4	63.3	7.0	1976	860.0	265.1	180.9	\$260.62	41.9	\$ 6.22
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	292.75	42.8	6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
934.3	864.1	70.2	7.5	1986	880.8	205.5	132.0	481.62	42.1	11.44
1986										
925.5	851.9	73.5	7.9	September	889.4	205.5	131.6	485.06	42.4	11.44
939.0	868.2	70.8	7.5	October	890.6	203.8	129.8	480.36	42.1	11.41
939.3	877.3	62.0	6.6	November	893.9	205.2	131.4	500.39	43.1	11.61
935.9	870.4	65.5	7.0	December	896.5	205.4	131.6	505.61	43.4	11.65
1987										
920.6	851.9	68.7	7.5	January	877.6	203.9	130.6	503.84	43.1	11.69
921.8	848.5	73.4	8.0	February	876.0	203.6	130.4	493.64	42.3	11.67
914.3	850.9	63.4	6.9	March	881.0	203.6	130.7	498.07	42.9	11.61
923.1	865.1	58.0	6.3	April	893.4	203.8	130.9	494.89	42.7	11.59
930.8	872.8	58.0	6.2	May	900.8	203.9	130.3	493.19	42.7	11.55
940.0	879.7	60.3	6.4	June	908.0	204.2	130.5	494.21	42.9	11.52
954.0	897.4	56.6	5.9	July	910.0	202.8	128.9	476.52	41.8	11.40
942.3	882.9	59.4	6.3	August	908.3	203.3	129.6	486.75	42.4	11.48
919.1	872.2	46.9	5.1	September	909.4	204.6	131.0	487.05	42.5	11.46
INA	INA	INA	INA	October	912.8	205.4	131.6	500.39	43.1	11.61

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Cleveland PMSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	October 1987 ^b	September 1987 ^c	October 1986 ^c	From Last Month	From Last Year
TOTAL	912.8	909.4	890.6	3.4	22.2
MANUFACTURING	205.4	204.6	203.8	.8	1.5
Durable Goods ^e	139.0	138.4	139.3	.7	.2
Primary metal industries	21.1	21.0	21.0	.1	.1
Iron and steel foundries	5.2	5.2	5.3	.0	.1
Fabricated metal products	32.9	32.6	32.4	.3	.5
Fabricated structural metal products ..	3.8	3.8	3.8	.0	.0
Screw machine products, bolts, etc. ..	4.8	4.8	4.7	.0	.1
Metal forgings and stampings	11.2	11.1	11.0	.1	.2
Machinery, except electrical	30.0	30.0	30.5	.1	.4
Construction and related machinery ...	2.6	2.5	2.6	.1	.1
Metalworking machinery	9.8	9.8	10.0	.0	.2
Special industry machinery	3.2	3.3	3.4	.0	.1
General industrial machinery	2.7	2.7	2.9	.0	.2
Electric and electronic equipment	19.0	18.9	19.1	.1	.1
Electrical industrial apparatus	6.4	6.5	6.5	.1	.1
Transportation equipment	19.0	19.0	18.7	.0	.4
Motor vehicles and equipment	12.1	12.0	11.6	.1	.5
Instruments and related products	6.1	6.3	7.3	.1	1.2
Measuring and controlling devices	4.1	4.1	4.3	.0	.2
Nondurable Goods ^f	66.3	66.2	64.5	.1	1.8
Food and kindred products	7.1	6.9	6.7	.2	.4
Apparel and other textile products	4.0	4.1	4.3	.1	.2
Paper and allied products	5.8	5.7	5.4	.1	.3
Printing and publishing	16.9	16.9	16.8	.0	.1
Chemicals and allied products	15.1	15.1	14.4	.0	.7
Rubber and misc. plastics products	12.2	12.2	11.8	.1	.4
NONMANUFACTURING^g	707.4	704.8	686.7	2.6	20.7
CONSTRUCTION	29.5	29.2	28.0	.3	1.5
TRANSPORTATION AND PUBLIC UTILITIES	41.9	41.9	41.9	.0	.0
Trucking and warehousing	12.2	12.1	11.6	.1	.6
Communication, electric, gas services ..	18.1	18.2	18.8	.1	.7
WHOLESALE TRADE	62.0	62.2	62.3	.2	.3
Wholesale trade-durable goods	42.6	42.7	43.3	.1	.7
RETAIL TRADE	158.7	157.4	154.0	1.4	4.7
General merchandise stores	20.8	19.9	20.7	.9	.1
FINANCE, INSURANCE, AND REAL ESTATE	55.3	55.6	52.9	.3	2.4
Banking	13.6	13.7	13.0	.1	.6
Credit agencies other than banks	9.2	9.2	8.8	.0	.4
Insurance carriers	13.3	13.4	12.8	.1	.5
SERVICES	242.3	242.2	229.7	.1	12.6
Business services	55.2	55.5	51.0	.3	4.3
Amusement and recreation services	8.0	9.7	7.9	1.8	.1
Health services	76.3	76.1	72.9	.2	3.3
Hospitals	44.2	44.2	42.0	.0	2.2
GOVERNMENT	116.7	115.4	116.8	1.3	.1
Federal government	20.3	20.4	20.2	.0	.2
State government	8.3	7.8	8.2	.6	.1
State government education ^h	3.2	2.5	3.1	.7	.1
State government, except education ...	5.1	5.3	5.1	.2	.1
Local government	88.0	87.3	88.4	.8	.4
Local government education	43.4	41.3	42.9	2.1	.5
Local government, except education ...	44.6	45.9	45.5	1.3	.9

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c
MANUFACTURING	\$500.39	\$487.05	\$480.36	43.1	42.5	42.1	\$11.61	\$11.46	\$11.41
Durable Goods ^e	535.58	517.63	510.85	43.9	43.1	42.5	12.20	12.01	12.02
Primary metal industries	600.14	599.24	593.05	46.2	45.5	43.8	12.99	13.17	13.54
Iron and steel foundries	816.22	869.70	817.90	47.9	50.8	49.6	17.04	17.12	16.49
Fabricated metal products	525.66	507.18	500.44	43.3	42.8	42.7	12.14	11.85	11.72
Fabricated structural metal products ..	385.09	404.74	367.94	39.7	40.8	40.3	9.70	9.92	9.13
Screw machine products, bolts, etc. ..	509.18	469.48	431.18	46.5	44.0	41.7	10.95	10.67	10.34
Metal forgings and stampings	667.15	625.24	654.04	45.2	44.0	45.2	14.76	14.21	14.47
Machinery, except electrical	495.22	456.37	453.86	43.1	41.3	41.6	11.49	11.05	10.91
Construction and related machinery ...	438.87	389.70	433.20	47.6	43.3	45.6	9.22	9.00	9.50
Metalworking machinery	434.93	428.67	412.70	40.8	41.1	40.5	10.66	10.43	10.19
Special industry machinery	504.25	451.88	479.17	40.6	37.1	40.3	12.42	12.18	11.89
General industrial machinery	487.46	490.94	479.81	43.1	43.6	43.5	11.31	11.26	11.03
Electrical and electronic equipment	447.86	448.45	422.50	41.7	41.6	40.2	10.74	10.78	10.51
Electrical industrial apparatus	512.51	505.56	444.57	44.8	44.0	40.6	11.44	11.49	10.95
Transportation equipment	729.01	682.05	680.26	47.4	45.5	45.2	15.38	14.99	15.05
Motor vehicles and equipment	789.18	732.34	718.23	47.8	45.6	45.4	16.51	16.06	15.82
Instruments and related products	391.41	404.21	402.29	40.9	41.8	40.8	9.57	9.67	9.86
Measuring and controlling devices	401.20	404.15	395.09	40.0	40.7	40.9	10.03	9.93	9.66
Nondurable Goods ^f	419.38	413.69	406.48	41.4	41.0	41.1	10.13	10.09	9.89
Food and kindred products	367.42	388.33	386.20	41.8	43.1	42.3	8.79	9.01	9.13
Apparel and other textile products	323.70	312.09	308.85	39.0	38.2	38.8	8.30	8.17	7.96
Paper and allied products	477.81	493.88	470.24	42.7	43.9	43.5	11.19	11.25	10.81
Printing and publishing	434.40	416.41	399.31	40.0	38.7	37.6	10.86	10.76	10.62
Chemicals and allied products	508.04	495.85	497.23	42.8	42.2	43.2	11.87	11.75	11.51
Rubber and misc. plastics products	377.27	367.04	376.68	42.2	41.9	43.0	8.94	8.76	8.76
TRANSPORTATION AND PUBLIC UTILITIES	585.81	596.49	576.71	41.4	41.8	41.7	14.15	14.27	13.83
Communication, electric, gas services ..	585.81	596.49	576.71	41.4	41.8	41.7	14.15	14.27	13.83
WHOLESALE TRADE	407.95	399.21	394.22	39.8	39.1	39.7	10.25	10.21	9.93
RETAIL TRADE ^h	185.74	190.74	180.06	28.4	28.9	28.4	6.54	6.60	6.34
FINANCE, INSURANCE, AND REAL ESTATE	293.21	289.87	299.57	...	...	...	...	...	...
Banking	293.21	289.87	299.57	...	...	...	...	...	...
SERVICES	...	...	...	...	...	...	...	...	...
Health services	...	...	...	...	...	...	...	...	...
Hospitals	343.56	344.32	338.71	31.9	32.0	32.6	10.77	10.76	10.39

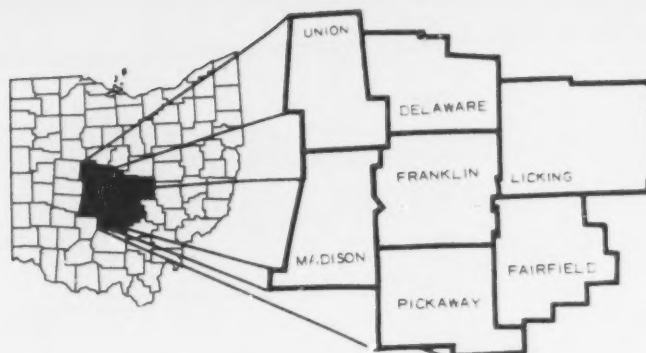
^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

Employment Service Program

	October 1987	September 1987	October 1986
New Applicants	5,964	5,760	9,376
Active File of Job Seekers	59,045	60,494	104,001
Referrals to Jobs	2,634	2,168	4,245
Placements	425	330	2,046
Job Openings Received	1,391	1,470	1,840
Job Openings Unfilled	2,624	2,803	2,739
Unemployment Insurance Program			
Initial Claims	6,325	6,008	8,829
Continued Claims	51,324	53,758	68,236
First Payments	2,516	2,541	3,555
Last Payments	994	966	1,204
Weeks Compensated	44,791	43,014	55,585
Benefits Paid	\$6,460,162	\$6,144,287	\$8,231,189
Average Weekly Payment	\$147.11	\$145.34	\$150.51

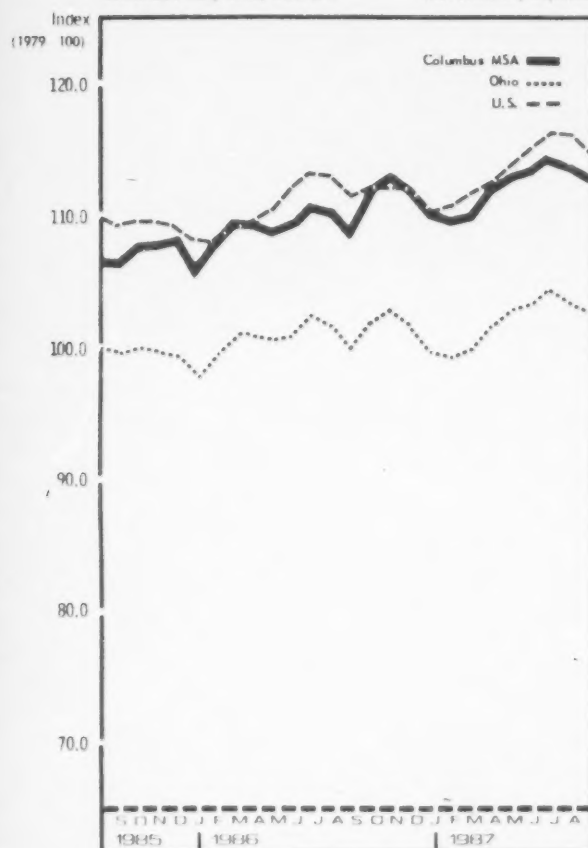
COLUMBUS METROPOLITAN STATISTICAL AREA



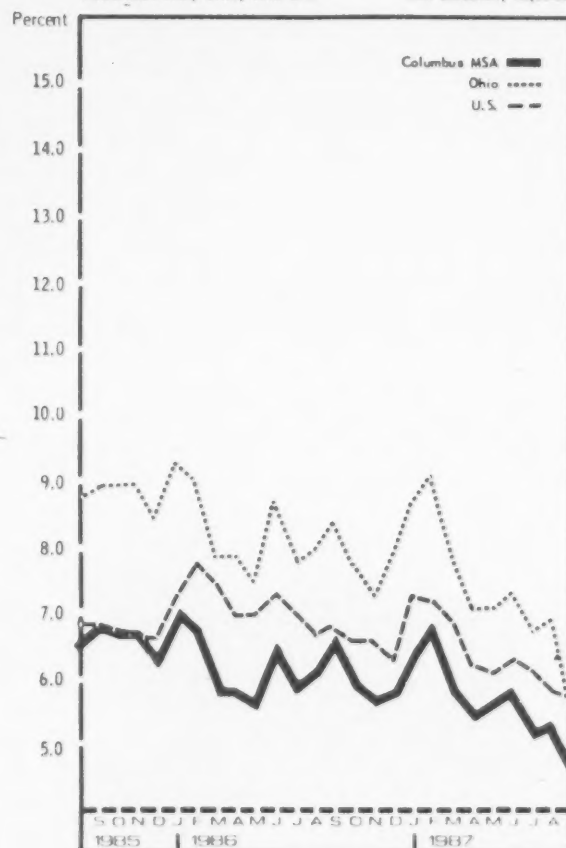
Nonfarm wage and salary employment in the Columbus metropolitan area totaled 671,100 in October, up 7,800 from September. The return of nonteaching personnel to state and local educational institutions accounted for most of the change. Retail trade also had a significant increase for the month. Manufacturing employment, at 102,600, was unchanged, as losses in transportation equipment were offset by scattered improvements in durable- and nondurable-goods industries. Factory production workers earned an average of \$11.49 per hour, up slightly from September. Their average workweek was 42.5 hours, up .8 hours.

Since October 1986, nonfarm employment increased 26,000. Growth in services, retail trade, and construction contributed most to the improvement, although all nonmanufacturing industries recorded gains. Losses in transportation equipment and fabricated metal products offset improvements in durable- and nondurable-goods industries, decreasing manufacturing employment 2,700 over the period.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

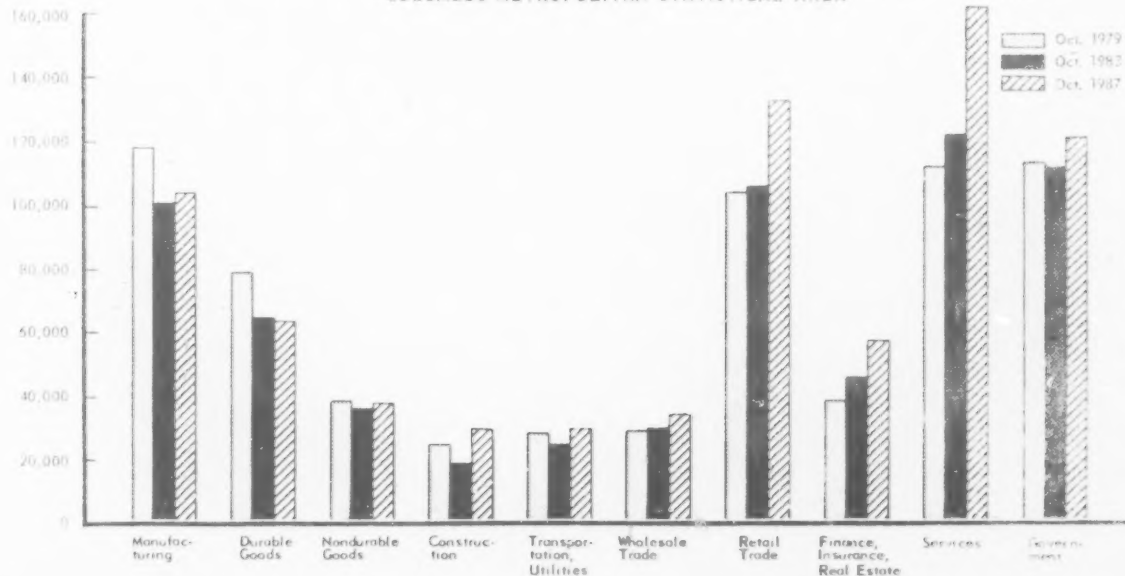


COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed		Unemployed			Manufacturing Employment				
		Total	Rate			Manufacturing Production Workers				
							Hours and Earnings			
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings	
INA	INA	INA	INA	1976	500.0	108.1	INA	INA	INA	INA
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	\$426.06	40.5	\$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
675.7	634.4	41.3	6.1	1986	630.4	106.2	70.7	461.14	41.1	11.22
				1986						
671.2	626.7	44.4	6.6	September	638.6	107.4	71.5	465.86	41.3	11.28
687.8	647.1	40.7	5.9	October	645.0	105.2	69.5	459.82	40.8	11.27
691.1	652.3	38.7	5.6	November	648.7	106.1	70.6	467.93	41.3	11.33
686.7	646.6	40.0	5.8	December	650.5	105.9	70.4	472.79	41.4	11.42
				1987						
678.0	635.0	43.1	6.4	January	637.9	105.1	69.9	472.15	41.2	11.46
678.0	632.2	45.9	6.8	February	637.7	104.4	69.1	463.81	40.9	11.34
674.6	635.4	39.2	5.8	March	642.5	103.9	68.9	477.47	41.7	11.45
682.2	645.7	36.5	5.4	April	650.6	103.0	68.2	466.49	41.1	11.35
691.2	652.2	39.0	5.6	May	656.6	102.6	67.9	474.24	41.6	11.40
696.4	656.1	40.3	5.8	June	661.0	103.1	68.2	473.10	41.5	11.40
697.2	661.3	35.9	5.1	July	653.4	102.3	67.3	474.12	41.3	11.48
692.2	655.6	36.6	5.3	August	657.9	102.7	67.7	467.72	41.1	11.38
682.4	650.9	31.5	4.6	September	663.2	102.6	67.6	477.88	41.7	11.46
INA	INA	INA	INA	October	671.1	102.6	67.4	458.33	42.5	11.49

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
COLUMBUS METROPOLITAN STATISTICAL AREA



Columbus MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Changed (in thousands)	
	October 1987 ^b	September 1987 ^c	October 1986 ^c	From Last Month	From Last Year
TOTAL	671.1	663.2	645.0	7.8	26.0
MANUFACTURING	102.6	102.6	105.2	.0	- 2.7
Durable Goods ^e	64.4	64.7	68.4	-.3	- 4.0
Stone, clay, and glass products	10.1	10.2	10.5	-.1	-.4
Glass and glassware, pressed or blown	4.2	4.2	3.2 ^j	-.1	1.0
Fabricated metal products	9.0	8.9	10.1	.0	- 1.2
Fabricated structural metal products	2.8	2.8	3.0	.0	-.2
Machinery, except electrical	9.6	9.6	8.8	.1	.8
Electric and electronic equipment	10.8	10.7	11.3	.1	-.5
Transportation equipment	13.2	13.7	16.3	-.5	- 3.1
Instruments and related products	4.1	4.1	4.0	.0	.1
Nondurable Goods ^f	38.2	37.9	36.8	.3	1.3
Food and kindred products	10.6	10.7	10.0	-.1	.6
Printing and publishing	10.0	9.9	9.9	.1	.1
Chemicals and allied products	7.1	7.2	7.0	.0	.1
Rubber and misc. plastics products	5.8	5.7	5.5	.1	.4
NONMANUFACTURING^g	568.5	560.6	539.8	7.9	28.7
CONSTRUCTION	30.1	29.9	26.8	.2	3.2
TRANSPORTATION AND PUBLIC UTILITIES	29.8	29.7	28.2	.1	1.6
Trucking and warehousing	12.0	11.9	11.2	.0	.7
Communication, electric, gas services	12.4	12.4	12.2	.0	.2
WHOLESALE TRADE	33.8	33.4	32.6	.4	1.2
Wholesale trade-durable goods	22.1	21.7	21.2	.3	.9
RETAIL TRADE	132.8	131.8	127.7	1.0	5.1
General merchandise stores	19.3	18.4	19.0	.9	.3
FINANCE, INSURANCE, AND REAL ESTATE	57.4	57.3	54.6	.0	2.7
Banking	12.0	12.0	11.6	.0	.4
Insurance carriers	21.8	21.7	21.1	.0	.7
SERVICES	162.2	161.9	149.8	.4	12.4
Business services	38.4	37.7	34.3	.7	4.2
Health services	41.1	40.8	38.3	.3	2.8
Hospitals	17.6	17.6	16.7	.0	.9
GOVERNMENT	121.4	115.7	119.0	5.7	2.4
Federal government	15.4	15.5	15.5	.0	.0
State government	53.6	48.5	52.3	5.1	1.2
State government education ^h	22.8	17.7	22.8	5.1	.1
State government, except education ...	30.7	30.7	29.6	.0	1.2
Local government	52.4	51.8	51.2	.6	1.2
Local government education	31.6	30.7	30.7	.9	.9
Local government, except education ...	20.8	21.1	20.5	-.3	.2

Hours & Earnings of Production or Nonsupervisory Workers^a

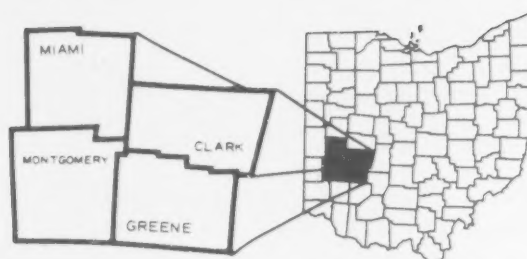
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c
MANUFACTURING	\$488.33	\$477.88	\$459.82	42.5	41.7	40.8	\$11.49	\$11.46	\$11.27
Durable Goods ^e	503.22	487.06	472.80	42.9	41.7	40.9	11.73	11.68	11.56
Stone, clay, and glass products	476.27	495.52	472.42	41.2	42.1	39.9	11.56	11.77	11.84
Glass and glassware, pressed or blown	432.73	458.71	489.81	39.7	41.4	43.5	10.90	11.08	11.26
Fabricated metal products	530.24	503.05	474.36	42.9	41.2	40.2	12.36	12.21	11.80
Fabricated structural metal products	489.86	437.13	421.87	44.9	41.2	40.8	10.91	10.61	10.34
Machinery, except electrical	441.32	450.70	445.46	41.4	42.2	41.4	10.66	10.68	10.76
Electric and electronic equipment	467.81	453.53	445.82	41.0	40.1	40.2	11.41	11.31	11.09
Transportation equipment	662.23	595.01	552.55	47.1	43.4	42.8	14.06	13.71	12.91
Instruments and related products	428.89	432.60	389.05	41.2	42.0	40.4	10.41	10.30	9.63
Non-durable Goods ^f	461.05	460.37	432.39	41.8	41.7	40.6	11.03	11.04	10.65
Food and kindred products	440.00	440.49	421.48	40.0	40.9	41.2	11.00	10.77	10.23
Printing and publishing	545.38	550.51	499.70	40.7	40.9	39.1	13.40	13.46	12.78
Chemicals and allied products	560.19	549.83	507.17	42.6	42.1	41.2	13.15	13.06	12.31
Rubber and misc. plastics products	366.61	363.72	341.14	43.8	43.3	41.3	8.37	8.40	8.26
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	571.54	584.63	575.71	41.0	41.7	41.9	13.94	14.02	13.74
WHOLESALE TRADE	356.74	355.36	341.38	38.4	38.5	38.4	9.29	9.23	8.89
RETAIL TRADE ^h	175.23	173.76	166.16	28.4	28.3	28.5	6.17	6.14	5.83
FINANCE, INSURANCE, AND REAL ESTATE .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Banking	261.84	257.19	244.33	.....	.....	.....	.....	.....	.....
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	335.82	333.12	321.30	34.8	34.7	34.0	9.65	9.60	9.45

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	5,991	5,295	4,935
Active File of Job Seekers	32,097	32,234	35,113
Referrals to Jobs	3,977	3,029	3,238
Placements	1,765	1,546	1,048
Job Openings Received	2,576	2,037	2,795
Job Openings Unfilled	3,147	3,526	5,813
Unemployment Insurance Program			
Initial Claims	4,310	3,908	6,181
Continued Claims	34,101	34,617	39,960
First Payments	1,877	1,884	2,225
Last Payments	564	674	683
Weeks Compensated	29,318	27,138	31,816
Benefits Paid	\$4,593,548	\$4,109,616	\$4,768,884
Average Weekly Payment	\$160.32	\$155.27	\$153.31

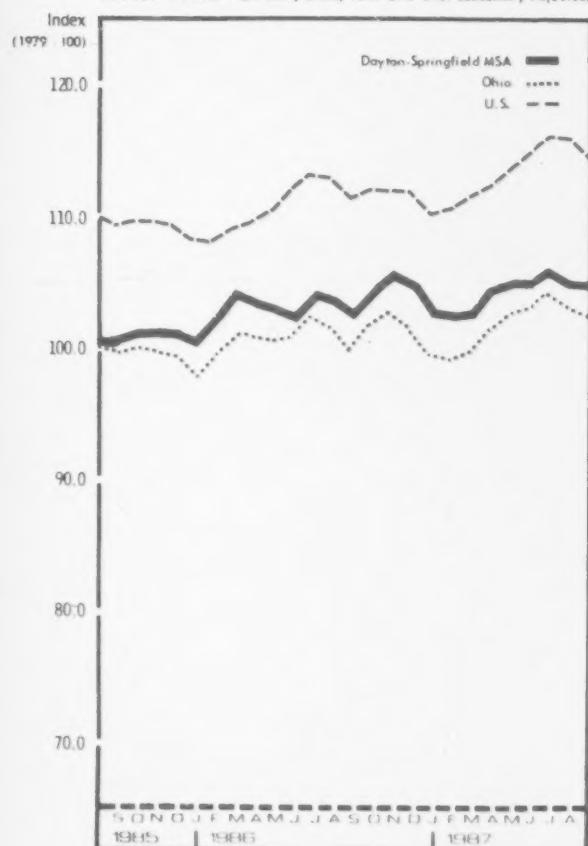
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



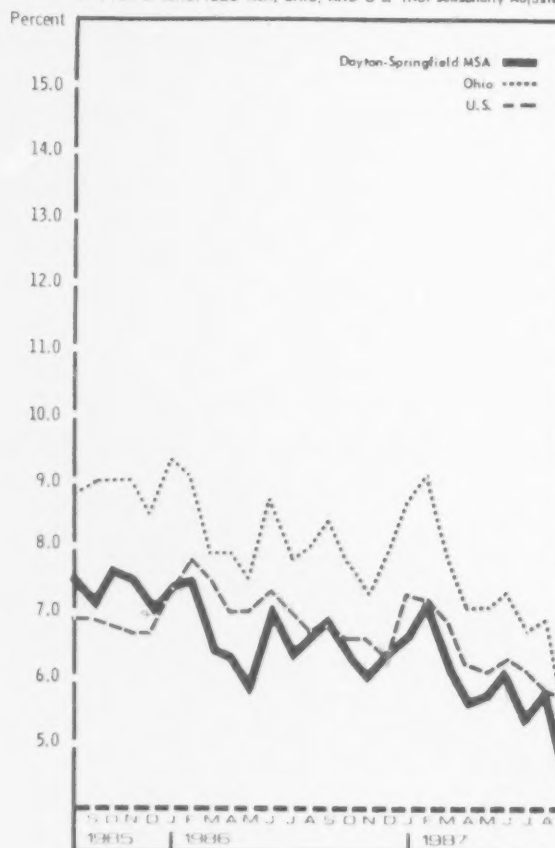
Nonagricultural wage and salary employment in the Dayton-Springfield area totaled 440,200 in October, up 2,600 from the September level. Nonmanufacturing employment rose 3,500 over the month, with increases occurring in state and local schools, services, and retail trade. Manufacturing employment was down 900 over the month with decreases in transportation equipment, nonelectrical machinery, and electric and electronic equipment. Production workers earned an average of \$11.91 in October, up \$.13 from September. Their average workweek of 42.5 hours was 1.1 hours longer.

Nonagricultural employment in the Dayton-Springfield area was up 10,400 from October 1986. Most of the increase occurred in services, construction, and retail trade. Manufacturing employment declined 2,100 over the year, with losses in nonelectrical machinery and transportation equipment.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

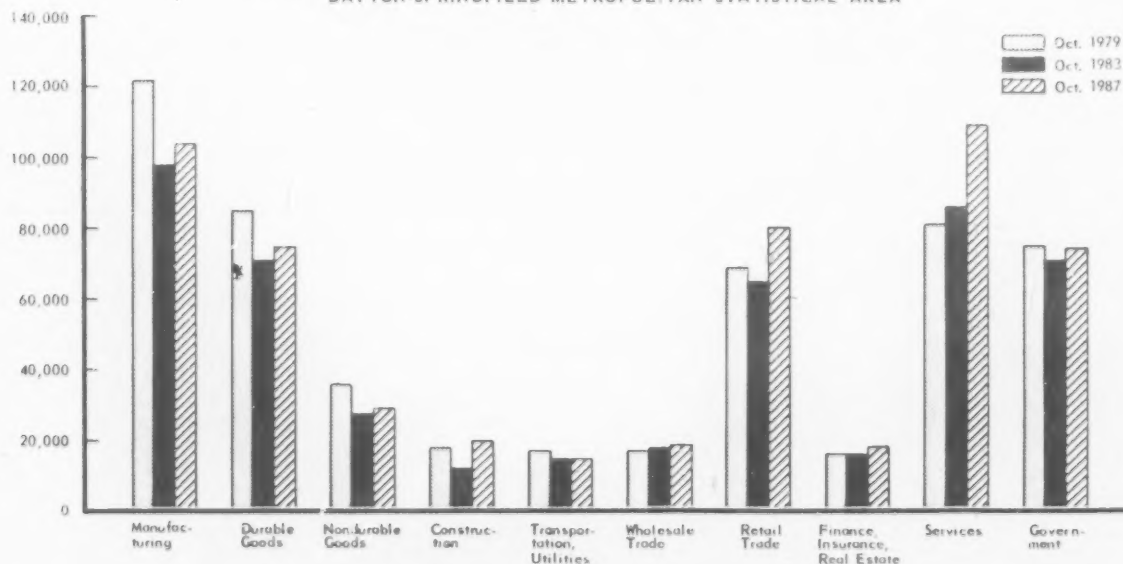


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment							
	Total Employed		Unemployed			Manufacturing Employment					
	Total	Rate	Total	Rate			Manufacturing Production Workers				
							Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings		
INA	INA	INA	INA	1976	370.7	116.3	INA	INA	INA	INA	
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA	
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA	
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA	
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA	
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA	
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA	
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA	
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	\$480.99	42.9	\$11.21	
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97	
462.0	431.6	30.4	6.6	1986	420.9	106.1	68.4	514.88	42.8	12.03	
1986											
459.6	428.0	31.6	6.9	September	427.6	106.8	68.8	516.52	42.9	12.04	
467.0	437.8	29.2	6.3	October	429.7	106.4	68.5	502.74	42.0	11.97	
470.2	441.9	28.3	6.0	November	431.2	106.3	68.8	505.83	42.4	11.93	
468.0	437.9	30.0	6.4	December	432.1	106.5	69.0	509.32	42.8	11.90	
1987											
460.5	429.6	30.9	6.7	January	423.9	105.8	68.4	500.22	42.0	11.91	
462.2	428.7	33.5	7.2	February	423.9	105.1	67.9	505.56	42.2	11.98	
457.8	430.1	27.7	6.1	March	426.2	104.9	67.5	494.15	41.7	11.85	
462.4	436.4	26.0	5.6	April	431.4	105.2	68.0	486.10	41.3	11.77	
466.0	439.2	26.7	5.7	May	433.8	104.7	67.5	486.04	41.4	11.74	
467.3	439.0	28.4	6.1	June	433.5	104.7	67.3	502.18	42.2	11.90	
467.3	442.5	24.8	5.3	July	428.7	104.1	66.1	492.19	41.5	11.86	
465.5	438.7	26.8	5.8	August	431.4	104.6	66.7	492.89	41.7	11.82	
459.1	438.3	20.9	4.5	September	437.6	105.2	67.9	487.69	41.4	11.78	
INA	INA	INA	INA	October	440.2	104.3	67.2	506.18	42.5	11.91	

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	October 1987 ^b	September 1987 ^c	October 1986 ^c	From Last Month	From Last Year
TOTAL	440.2	437.6	429.7	2.6	10.4
MANUFACTURING	104.3	105.2	106.4	-.9	- 2.1
Durable Goods ^e	74.9	75.7	76.9	-.9	- 2.0
Fabricated metal products	8.1	8.1	8.3	.0	-.2
Machinery, except electrical	30.3	30.5	31.5	-.2	- 1.2
Metalworking machinery	6.5	6.6	6.9	-.1	-.4
General industrial machinery	2.6	2.6	2.6	.1	.0
Electric and electronic equipment	5.8	6.1	5.9	-.2	.0
Electrical industrial apparatus	3.3	3.5	3.4	-.2	-.1
Transportation equipment	21.0	21.3	22.1	-.3	- 1.1
Nondurable Goods ^f	29.4	29.4	29.4	.0	.0
Food and kindred products	3.0	3.0	2.9	.0	.1
Paper and allied products	6.2	6.2	5.8	.0	.4
Printing and publishing	8.8	8.7	8.6	.1	.2
Rubber and misc. plastics products	7.7	7.7	8.3	.0	-.6
NONMANUFACTURING^g	335.8	332.4	323.4	3.5	12.5
CONSTRUCTION	20.3	20.1	17.0	.1	3.3
TRANSPORTATION AND PUBLIC UTILITIES	15.2	15.2	15.1	.0	.1
Communication, electric, gas services ..	5.6	5.7	6.1	-.1	-.5
WHOLESALE TRADE	19.4	19.2	19.0	.3	.4
Wholesale trade-durable goods	13.4	13.3	12.9	.2	.5
RETAIL TRADE	80.0	79.5	77.9	.5	2.2
General merchandise stores	11.7	11.3	12.0	.4	-.3
FINANCE, INSURANCE, AND REAL ESTATE	17.9	18.0	17.5	-.1	.4
Banking	4.4	4.4	4.2	-.1	.1
Credit agencies other than banks	4.6	4.6	4.6	.1	.1
Insurance carriers	2.7	2.7	2.9	.0	-.2
SERVICES	109.1	108.5	103.0	.6	6.1
Business services	27.5	27.2	25.0	.3	2.5
Health services	36.0	36.0	34.5	.1	1.5
Hospitals	18.5	18.5	18.0	.0	.5
Educational services	7.2	6.6	7.3	.6	-.1
GOVERNMENT	73.5	71.5	73.4	2.0	.1
Federal government	28.4	28.4	27.4	.0	1.0
State government	7.3	6.4	7.0	1.0	.4
State government education ^h	4.4	3.4	4.4	1.0	.0
State government, except education ...	2.9	2.9	2.6	.0	.3
Local government	37.7	36.7	39.0	1.1	- 1.3
Local government education	23.1	21.9	24.6	1.2	- 1.5
Local government, except education ...	14.6	14.8	14.4	-.2	.2

Hours & Earnings of Production or Nonsupervisory Workers^a

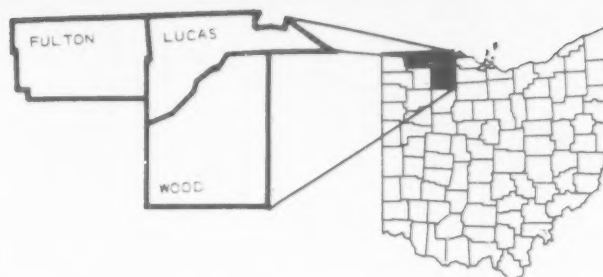
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c
MANUFACTURING	\$506.18	\$487.69	\$502.74	42.5	41.4	42.0	\$11.91	\$11.78	\$11.97
Durable Goods ^e	510.56	496.80	511.98	42.3	41.4	42.0	12.07	12.00	12.19
Fabricated metal products	379.96	367.35	384.70	41.3	39.8	41.1	9.20	9.23	9.36
Machinery, except electrical	555.09	533.81	541.86	43.4	41.9	42.7	12.79	12.74	12.69
Metalworking machinery	553.10	526.11	515.96	45.9	44.1	43.8	12.05	11.93	11.78
General industrial machinery	455.34	446.89	437.00	42.2	40.7	41.5	10.79	10.98	10.53
Electric and electronic equipment	425.42	427.20	396.53	44.5	44.5	42.5	9.56	9.60	9.33
Electrical industrial apparatus	511.58	499.11	484.20	47.5	46.3	45.0	10.77	10.78	10.76
Transportation equipment	598.22	588.14	604.85	41.2	41.1	41.8	14.52	14.31	14.47
Non durable Goods ^f	491.63	461.90	474.73	42.9	41.5	41.9	11.46	11.13	11.33
Food and kindred products	361.49	408.56	326.02	43.5	46.8	40.2	8.31	8.73	8.11
Paper and allied products	499.96	500.65	483.19	45.7	46.1	45.8	10.94	10.86	10.55
Printing and publishing	449.35	455.63	418.86	40.3	40.5	39.0	11.15	11.25	10.74
Rubber and misc. plastics products	633.05	515.22	593.28	43.3	37.2	41.2	14.62	13.85	14.40
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	545.66	548.37	540.27	40.3	40.5	40.5	13.54	13.54	13.34
WHOLESALE TRADE	429.51	433.21	403.03	41.7	42.1	41.0	10.30	10.29	9.83
RETAIL TRADE ^h	163.59	161.88	158.42	28.7	28.5	28.7	5.70	5.68	5.52
SERVICES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	364.23	364.57	341.35	34.2	34.2	33.4	10.65	10.66	10.22

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	2,754	2,525	2,869
Active File of Job Seekers	19,739	19,167	24,264
Referrals to Jobs	1,456	1,347	1,199
Placements	318	288	289
Job Openings Received	978	822	831
Job Openings Unfilled	2,492	2,163	1,433
Unemployment Insurance Program			
Initial Claims	2,455	2,695	3,010
Continued Claims	18,356	21,110	24,057
First Payments	1,261	1,299	1,264
Last Payments	370	335	442
Weeks Compensated	17,940	17,303	20,054
Benefits Paid	\$2,465,880	\$2,400,425	\$2,759,061
Average Weekly Payment	\$140.36	\$141.73	\$140.53

TOLEDO METROPOLITAN STATISTICAL AREA

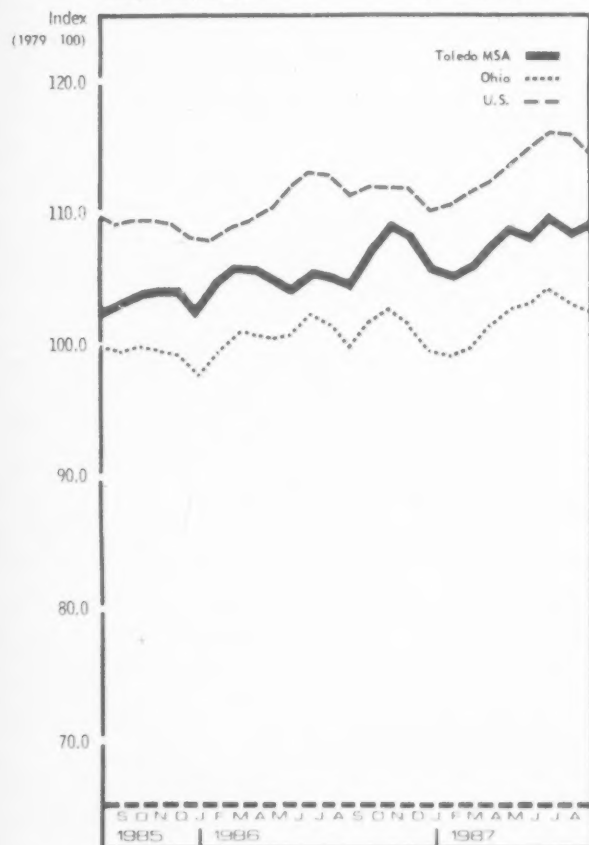


In October, the Toledo MSA nonagricultural wage and salary employment level rose 2,300 from September, to 291,100. The advancement was concentrated in nonmanufacturing industries, particularly in state and local government education and retail trade. Manufacturing employment declined 1,200 due chiefly to seasonal reductions in the canning industry and losses in electric and electronic equipment. Production workers earned an average of \$12.70 per hour for a 42.0 hour workweek, both down slightly from September.

Total nonfarm employment increased 11,100 since October 1986. Growth in health and business services, retail trade, and construction contributed most to the gain. Although modest improvement occurred in nondurable-goods industries, losses in durable goods, especially in stone, clay, and glass products and electric and electronic equipment, lowered manufacturing employment 1,500 over the period.

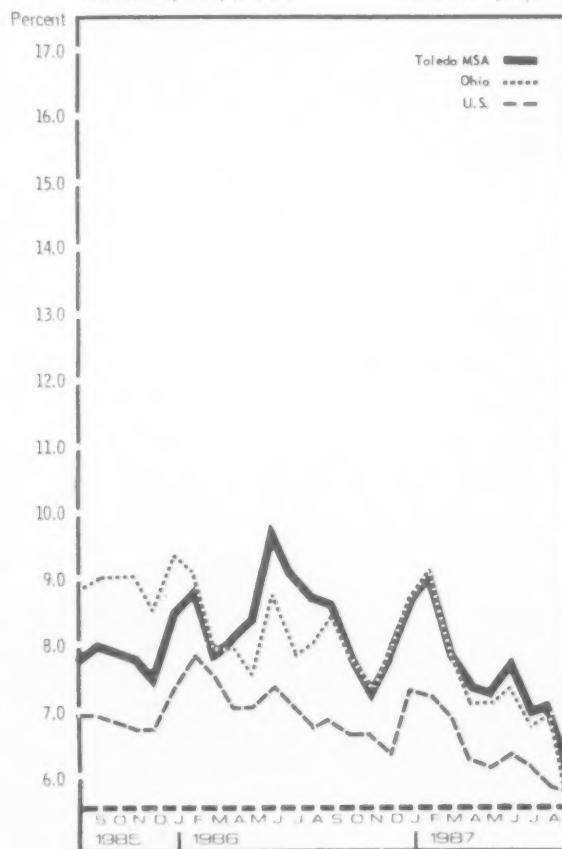
INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S.

(Not Seasonally Adjusted)

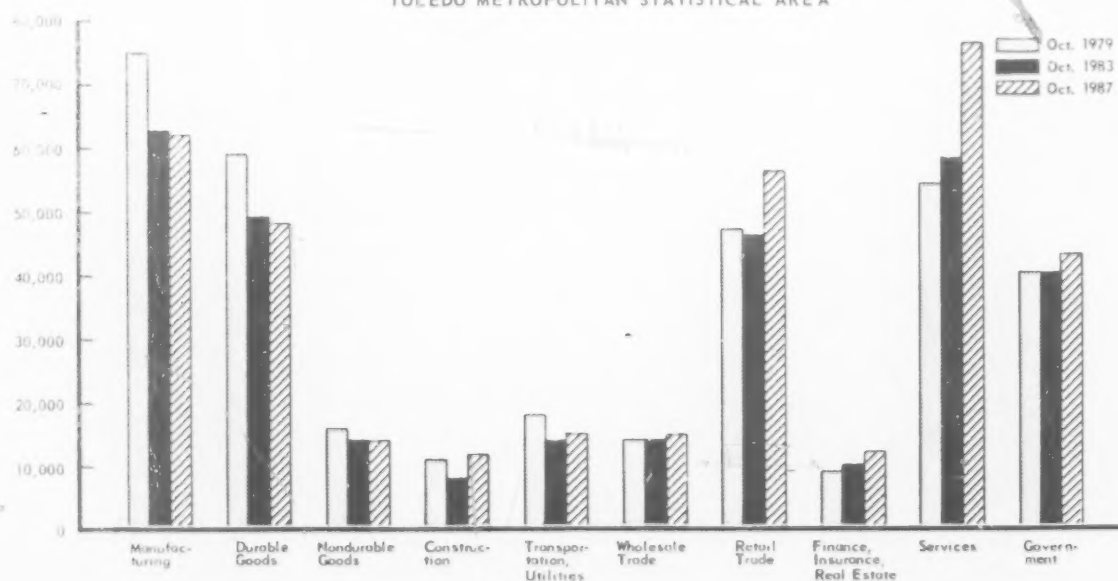


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed		Unemployed			Manufacturing Employment		Manufacturing Production Workers		
			Total	Rate				Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	INA	1976	248.3	74.5	INA	INA	INA
INA	INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA
INA	INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA
INA	INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA
INA	INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA
INA	INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA
INA	INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	\$502.42	43.2	\$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
308.0	282.2	25.9	8.4	1986	273.0	63.6	44.4	527.03	42.4	12.43
1986										
305.6	279.3	26.3	8.6	September	277.3	64.5	45.3	524.36	42.7	12.28
311.5	287.2	24.3	7.8	October	280.0	63.4	44.2	531.65	42.6	12.48
314.6	291.9	22.7	7.2	November	283.0	63.1	44.5	524.99	42.1	12.47
313.7	289.1	24.5	7.8	December	283.4	63.0	44.5	538.40	42.9	12.55
1987										
309.1	282.2	26.9	8.7	January	276.6	63.0	44.5	554.63	43.5	12.75
309.3	281.2	28.1	9.1	February	276.3	62.7	44.1	547.78	43.2	12.68
307.3	282.9	24.4	7.9	March	278.7	62.5	44.1	543.56	42.8	12.70
310.9	287.9	23.0	7.4	April	282.7	62.3	44.0	537.21	42.4	12.67
314.0	291.1	22.8	7.3	May	285.6	62.0	43.5	532.55	41.9	12.71
313.7	289.3	24.4	7.8	June	283.8	62.2	43.6	529.19	41.8	12.66
315.4	293.4	22.0	7.0	July	282.3	61.7	43.0	523.27	41.3	12.67
311.9	289.6	22.3	7.1	August	282.9	62.7	44.0	534.66	42.4	12.61
309.6	291.2	18.4	5.9	September	288.7	63.1	44.4	539.33	42.4	12.72
INA	INA	INA	INA	October	291.1	61.9	43.5	533.40	42.0	12.70

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

**Nonagricultural
Wage &
Salary
Employment^a**

	Employment (in thousands)			Change ^d (in thousands)	
	October 1987 ^b	September 1987 ^c	October 1986 ^c	From Last Month	From Last Year
TOTAL	291.1	288.7	280.0	2.3	11.1
MANUFACTURING	61.9	63.1	63.4	- 1.2	- 1.5
Durable Goods ^e	47.6	48.2	49.6	- .5	- 2.0
Stone, clay, and glass products	8.0	8.0	8.6	.0	- .6
Primary metal industries	3.1	3.2	3.2	- .1	- .1
Fabricated metal products	7.1	7.2	7.5	- .1	- .4
Metal forgings and stampings	3.0	3.1	3.2	- .1	- .2
Machinery, except electrical	6.1	6.2	6.1	- .1	.0
Electric and electronic equipment	2.4	2.7	3.0	- .3	- .6
Transportation equipment	16.2	16.3	16.7	- .1	- .5
Motor vehicles and equipment	15.3	15.4	15.7	- .1	- .4
Nondurable Goods ^f	14.2	14.9	13.8	- .7	.5
Food and kindred products	3.7	4.4	3.3	- .7	.4
Rubber and misc. plastics products	3.2	3.1	3.1	.1	.1
NONMANUFACTURING^g	229.2	225.6	216.6	3.5	12.6
CONSTRUCTION	12.2	12.0	11.1	.2	1.1
TRANSPORTATION AND PUBLIC UTILITIES	14.9	14.9	14.5	- .1	.4
Trucking and warehousing	5.9	5.9	5.7	.0	.3
Communication, electric, gas services ..	5.1	5.1	5.1	.0	.0
WHOLESALE TRADE	14.9	14.8	14.5	.2	.4
Wholesale trade-durable goods	9.8	9.7	9.7	.2	.2
RETAIL TRADE	56.0	55.4	53.5	.6	2.5
General merchandise stores	7.5	7.2	7.3	.3	.1
FINANCE, INSURANCE, AND REAL ESTATE	11.6	11.6	11.3	.0	.3
Banking	3.6	3.6	3.5	.0	.1
SERVICES	76.1	75.8	68.5	.3	7.5
Business services	15.3	15.1	13.2	.2	2.1
Health services	29.9	29.9	26.3	.0	3.6
Hospitals	15.5	15.5	14.9	.0	.6
GOVERNMENT	43.3	41.0	42.9	2.3	.4
State government	16.2	14.5	16.3	1.8	- .1
State government education ^h	12.2	10.3	12.4	1.9	- .2
State government, except education ...	4.0	4.1	3.9	- .1	.1
Local government	24.5	23.9	24.0	.6	.5
Local government education	14.3	13.6	13.8	.6	.5
Local government, except education ...	10.2	10.3	10.2	- .1	.0

Hours & Earnings of Production or Nonsupervisory Workers^a

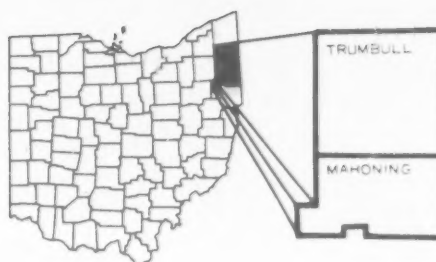
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c
MANUFACTURING	\$533.40	\$539.33	\$531.65	42.0	42.4	42.6	\$12.70	\$12.72	\$12.48
Durable Goods ^e	555.72	559.63	550.82	42.1	42.3	42.6	13.20	13.23	12.93
Stone, clay, and glass products	506.62	507.99	540.86	40.4	41.0	43.2	12.54	12.39	12.52
Primary metal industries	482.46	441.57	468.42	43.9	40.4	42.2	10.99	10.93	11.10
Fabricated metal products	542.20	539.30	528.96	43.1	42.7	42.9	12.58	12.63	12.33
Metal forgings and stampings	686.60	676.01	627.59	45.5	45.4	44.7	15.09	14.89	14.04
Machinery, except electrical	486.45	496.08	494.49	41.4	42.4	43.3	11.75	11.70	11.42
Electric and electronic equipment	486.00	510.84	576.58	40.5	40.9	44.8	12.00	12.49	12.87
Transportation equipment	651.35	672.19	641.27	41.7	43.2	42.3	15.62	15.56	15.16
Motor vehicles and equipment	653.95	674.08	643.81	41.6	43.1	42.3	15.72	15.64	15.22
Nondurable Goods ^f	456.20	472.94	463.06	41.7	42.8	42.6	10.94	11.05	10.87
Food and kindred products	532.52	509.08	612.77	43.4	43.4	47.1	12.27	11.73	13.01
Rubber and misc. plastics products	325.22	352.67	323.52	40.2	42.8	40.9	8.09	8.24	7.91
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	595.75	611.29	637.28	41.2	42.1	43.5	14.46	14.52	14.65
WHOLESALE TRADE	351.94	360.21	353.02	37.6	37.6	38.0	9.36	9.58	9.29
RETAIL TRADE ^h	161.74	161.37	155.84	29.3	29.5	28.7	5.52	5.47	5.43

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. ^fIncludes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	2,779	2,173	2,409
Active File of Job Seekers	16,108	12,890	24,024
Referrals to Jobs	1,882	1,406	1,176
Placements	575	748	396
Job Openings Received	1,048	974	494
Job Openings Unfilled	1,266	1,110	936
Unemployment Insurance Program			
Initial Claims	3,214	3,237	4,090
Continued Claims	21,229	21,784	21,624
First Payments	1,953	857	1,217
Last Payments	351	325	414
Weeks Compensated	16,392	16,266	18,125
Benefits Paid	\$2,367,855	\$2,316,646	\$2,629,836
Average Weekly Payment	\$148.05	\$145.41	\$149.11

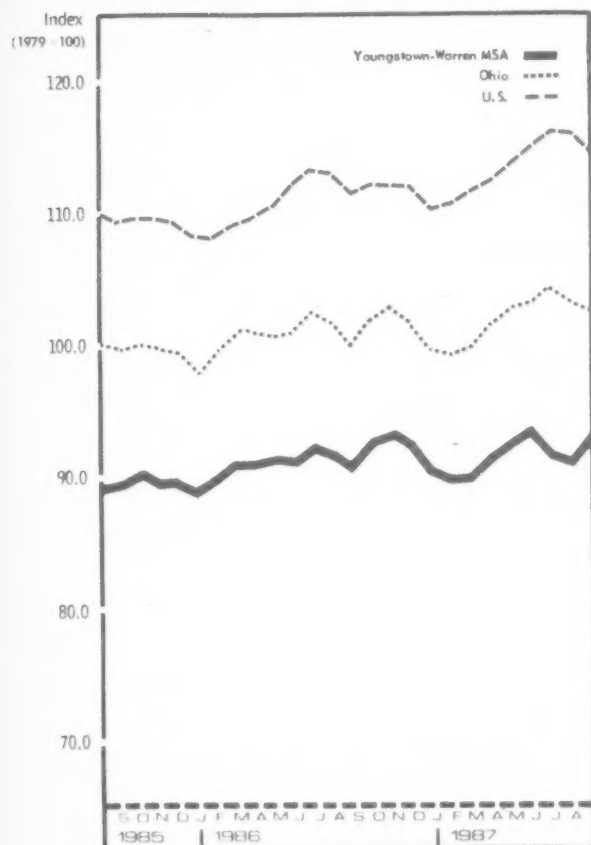
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



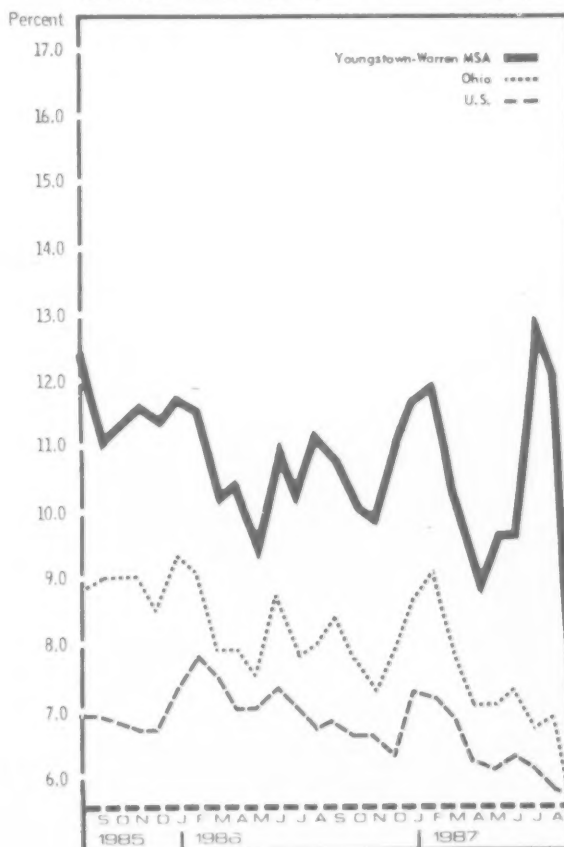
In the Youngstown-Warren area nonagricultural wage and salary employment totaled 196,400 in October, an increase of 700 from September. Nonmanufacturing employment rose 1,000, as nonteaching employees in state and local schools and colleges returned to work. Manufacturing employment declined 200 during the period. Factory workers earned an average of \$13.28 per hour, down \$.15 from the previous month, and worked an average of 42.7 hours, down .6 hours.

Over the year, nonagricultural wage and salary employment rose 4,700. Improvements occurred in nonmanufacturing, with increases in construction; services, especially health services; and retail trade. Factory employment declined 300, due largely to losses in nonelectrical machinery.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

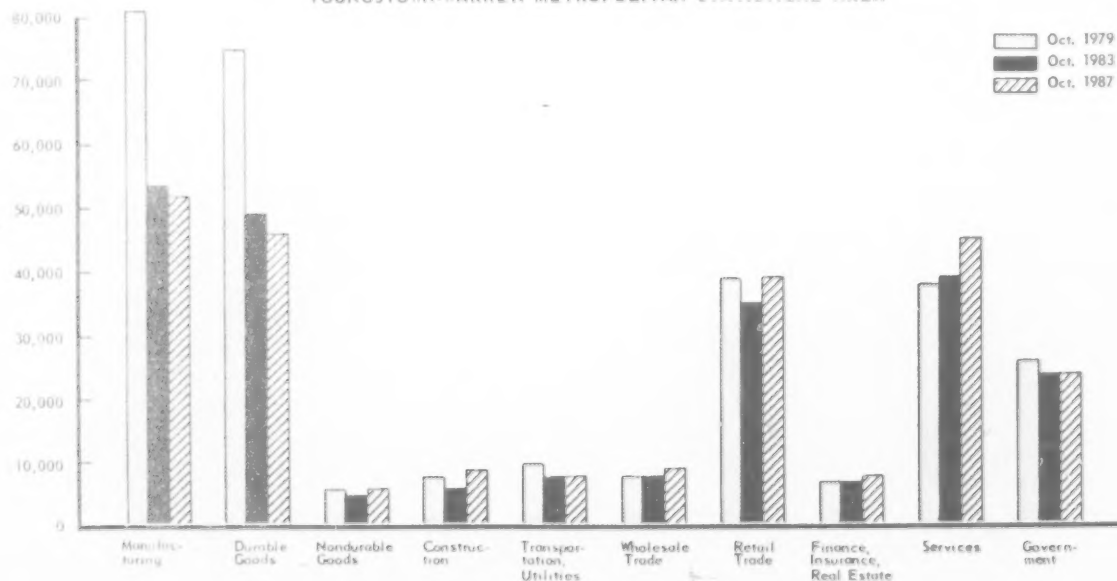


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force				Nonagricultural Wage & Salary Employment						
	Total Employed		Unemployed			Manufacturing Employment				
	Total	Rate	Manufacturing Production Workers							
			Average Weekly Earnings	Average Weekly Hours		Average Hourly Earnings				
234.2	210.5	23.7	10.1	1976	203.5	80.6	63.3	\$277.29	39.5	\$ 7.02
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	313.50	40.4	7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
224.9	201.1	23.8	10.6	1986	188.2	52.0	38.9	553.28	41.6	13.30
1986										
223.2	199.4	23.8	10.7	September	191.1	52.3	39.4	557.69	41.9	13.31
226.4	203.7	22.7	10.0	October	191.7	52.3	39.5	544.75	41.3	13.19
227.6	205.2	22.4	9.8	November	191.9	52.2	39.3	558.11	41.9	13.32
228.7	203.6	25.1	11.0	December	192.5	52.2	39.5	579.58	42.9	13.51
1987										
224.7	198.8	26.0	11.6	January	187.9	51.1	38.4	577.37	42.8	13.49
224.2	197.4	26.8	11.9	February	187.2	51.1	38.3	580.13	43.1	13.46
220.5	198.1	22.4	10.2	March	188.6	51.4	38.8	579.79	43.3	13.39
221.0	201.7	19.3	8.7	April	191.3	51.6	38.9	571.94	43.1	13.27
225.5	204.0	21.6	9.6	May	193.3	50.9	38.2	565.78	42.7	13.25
227.2	205.5	21.8	9.6	June	194.8	51.1	38.3	566.67	42.8	13.24
231.2	201.4	29.8	12.9	July	187.2	45.5	32.8	541.80	42.0	12.90
228.0	200.7	27.3	12.0	August	189.3	47.7	35.1	548.98	42.1	13.04
219.4	204.4	15.0	6.8	September	195.6	52.3	39.4	581.52	43.3	13.43
INA	INA	INA	INA	October	196.4	52.1	39.4	567.06	42.7	13.28

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment^d

	Employment (in thousands)			Change ^d (in thousands)	
	October 1987 ^b	September 1987 ^c	October 1986 ^c	From Last Month	From Last Year
TOTAL	196.4	195.6	191.7	.7	4.7
MANUFACTURING	52.1	52.3	52.3	-.2	-.3
Durable Goods ^e	46.5	46.7	46.7	-.2	-.1
Primary metal industries	20.4	20.4	19.9	.0	.5
Blast furnace and basic steel products	6.8	6.7	6.4	.0	.4
Fabricated metal products	7.8	7.8	7.7	.0	.1
Machinery, except electrical	3.2	3.4	3.7	-.2	-.5
Electric and electronic equipment	2.3	2.2	2.4	.0	-.2
Transportation equipment	9.6	9.7	9.8	-.1	-.2
Non durable Goods ^f	5.6	5.6	5.7	.0	-.1
NONMANUFACTURING ^g	144.3	143.3	139.4	1.0	4.9
CONSTRUCTION	9.4	9.2	7.9	.2	1.5
TRANSPORTATION AND PUBLIC UTILITIES	8.3	8.3	8.1	.0	.2
Communication, electric, gas services ..	3.1	3.1	3.2	.0	.0
WHOLESALE TRADE	9.5	9.5	9.0	.0	.5
Wholesale trade durable goods	6.1	6.0	5.9	.0	.2
RETAIL TRADE	39.0	38.6	37.7	.4	1.3
General merchandise stores	5.7	5.5	5.7	.2	.0
FINANCE, INSURANCE, AND REAL ESTATE	8.4	8.4	8.1	.0	.2
Banking	2.0	2.8	2.7	.0	.0
SERVICES	45.2	45.9	43.7	-.7	1.5
Health services	20.2	20.2	19.2	.1	1.0
Hospitals	10.4	10.4	10.3	.0	.2
GOVERNMENT	24.0	22.9	24.2	1.1	-.2
State government	3.9	3.3	3.8	.7	.1
State government education ^h	2.4	1.8	2.4	.7	.1
State government, except education ...	1.5	1.5	1.5	.0	.1
Local government	18.0	17.6	18.3	.4	-.4
Local government education	11.6	11.1	11.8	.5	-.2
Local government, except education ...	6.4	6.4	6.5	-.1	-.1

Hours & Earnings of Production or Nonsupervisory Workers^a

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c	Oct. 1987 ^b	Sept. 1987 ^c	Oct. 1986 ^c
MANUFACTURING	\$567.06	\$581.52	\$544.75	42.7	43.3	41.3	\$13.28	\$13.43	\$13.19
Durable Goods ^e	581.65	596.39	563.57	42.8	43.5	41.5	13.59	13.71	13.58
Primary metal industries	624.02	665.42	585.27	42.8	44.9	40.7	14.58	14.82	14.38
Blast furnace and basic steel products	633.70	634.33	625.19	45.2	46.2	42.1	14.02	13.73	14.85
Fabricated metal products	528.43	510.63	525.29	40.4	39.8	40.5	13.08	12.83	12.97
Machinery, except electrical	474.62	469.34	456.84	41.2	40.6	40.5	11.52	11.56	11.28
Electric and electronic equipment	450.64	418.82	424.79	40.2	37.8	39.7	11.21	11.08	10.70
Transportation equipment	655.86	660.96	665.58	45.8	45.9	44.7	14.32	14.40	14.89
Nondurable Goods ^f	423.02	429.11	366.21	41.8	41.3	39.0	10.12	10.39	9.39
TRANSPORTATION AND PUBLIC UTILITIES .....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	549.44	557.44	544.45	40.4	40.6	40.6	13.60	13.73	13.41
WHOLESALE TRADE	339.82	341.71	333.87	37.8	37.8	38.2	8.99	9.04	8.74
RETAIL TRADE ^h	175.81	174.64	168.13	29.4	29.4	29.6	5.98	5.94	5.68

^aSee Technical Notes for concepts. ^bPreliminary. ^cRevised. ^dBased on unrounded figures. ^eIncludes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. ^fIncludes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. ^gIncludes mining. ^hMoney payments only; tips not included. ⁱIncludes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. ^jDepressed due to labor-management disputes.

Selected Administrative Program Activities

	October 1987	September 1987	October 1986
Employment Service Program			
New Applicants	2,193	2,067	2,439
Active File of Job Seekers	17,220	17,771	30,537
Referrals to Jobs	1,809	1,670	1,473
Placements	597	261	638
Job Openings Received	920	615	715
Job Openings Unfilled	901	897	481
Unemployment Insurance Program			
Initial Claims	3,322	3,170	5,057
Continued Claims	15,422	18,294	21,981
First Payments	784	973	1,234
Last Payments	303	309	343
Weeks Compensated	13,005	15,007	18,890
Benefits Paid	\$1,726,378	\$2,025,944	\$2,616,189
Average Weekly Payment	\$137.12	\$139.90	\$144.06

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} + \frac{\text{Sample Employment (current month)} - \text{Sample Employment (previous month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Ohio

Selected Employment Service Activities

	October 1987	September 1987	October 1986
New Applicants	45,283	40,724	47,399
Active File of Job Seekers	281,582	270,888	383,317
Counseling Interviews	1,544	1,073	2,006
Tests Administered	4,706	3,584	3,689
General Aptitude Tests	220	146	234
Proficiency Tests	611	495	626
Specific Aptitude Tests	891	891	340
Referrals to Jobs	31,324	26,887	27,901
Placements	9,231	7,808	9,097
Job Openings Received	15,342	14,037	14,076
Job Openings Unfilled	22,078	24,185	25,266

Selected Unemployment Insurance Activities

	October 1987	September 1987	October 1986
Initial Claims	47,415	43,944	64,026
Continued Claims	321,042	338,667	440,344
First Payments	16,813	17,634	27,100
Last Payments	5,715	5,642	7,129
Average Weekly Claimants	73,510	74,932	94,674
Average Weekly Benefit Recipients	59,312	60,664	70,787
Weeks Compensated	276,992	262,226	357,975
Benefits Paid	\$40,773,926	\$37,742,851	\$53,193,183
Average Weekly Payment	\$151.00	\$147.53	\$152.46
Continued Claims for Survey Week	75,868	76,033	96,893
Insured Unemployment Rate	1.7	1.8	2.3
Net Contributions	\$36,060,355	\$5,135,115	\$51,220,629
Active Employer Accounts	197,306	196,665	193,052

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Ohio Bureau Of Employment Services
Labor Market Information Division
145 South Front Street
P.O. Box 1618
Columbus, Ohio 43216

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